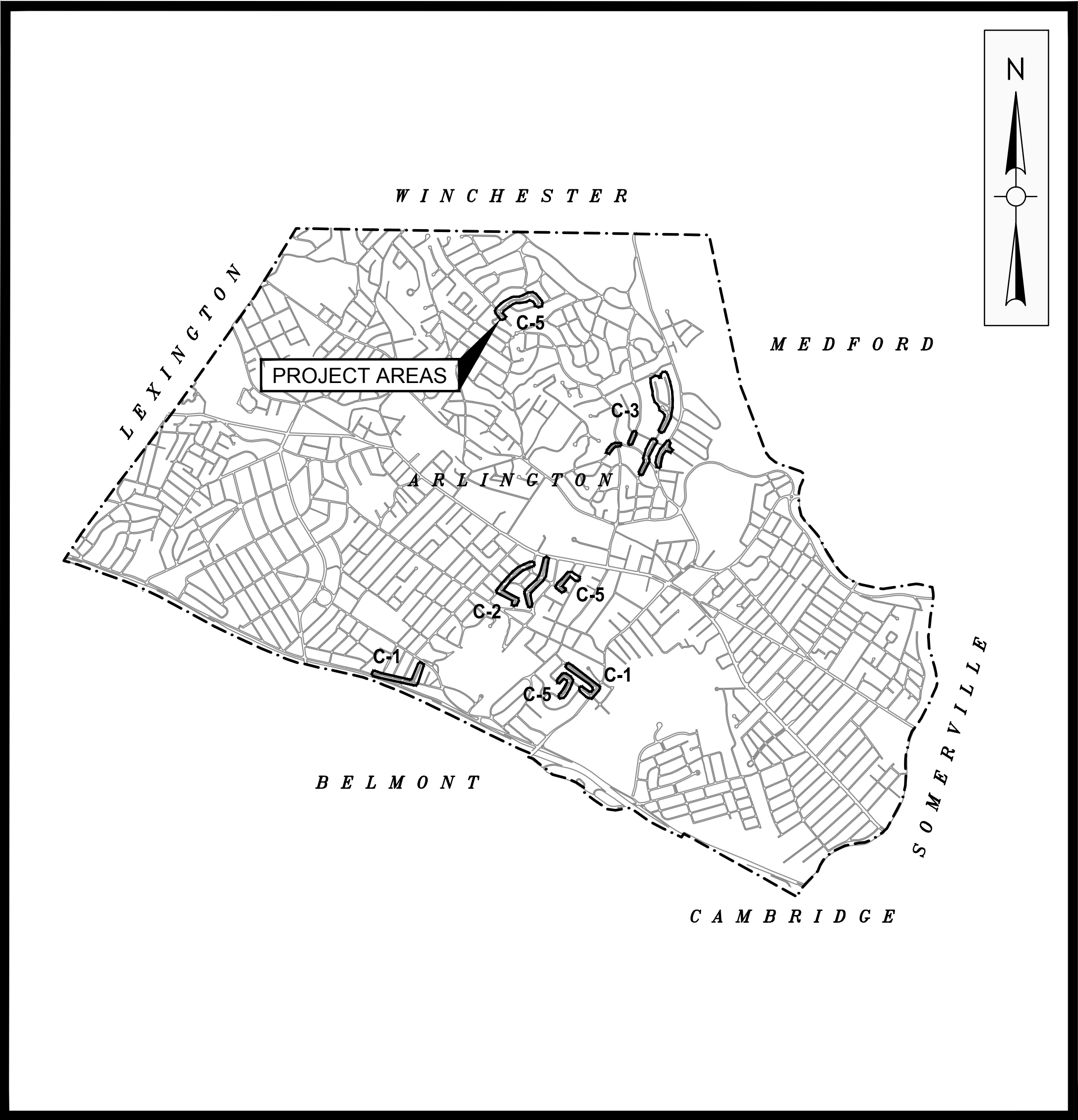


TOWN OF ARLINGTON, MASSACHUSETTS

PHASE #14 SANITARY SEWER REHABILITATIONS

DEPARTMENT OF PUBLIC WORKS, 51 GROVE STREET, ARLINGTON, MASSACHUSETTS 02476



LOCUS MAP
SCALE: 1"=2000'

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C-1	BASE BID PLANS AND TABLES
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C-6	CONSTRUCTION ZONE SAFETY PLAN
D-1	DETAILS I
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Weston & Sampson
Weston & Sampson Engineers, Inc.
55 Walkers Brook Drive, Suite 100
Reading, MA 01867
978.532.1900 800.SAMPSON
www.westonandsampson.com



BID INVITATION #22-34

MWRA I/I LOCAL FINANCIAL ASSISTANCE PROGRAM PROJECT
No. WRA-P11-01-3-1186

MICHAEL W. RADEMACHER
DIRECTOR OF PUBLIC WORKS

JULY 2022



Know what's below.
Call before you dig.

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W&S FILE NO.: 249-10

PLANS FOR PUBLIC BID AND CONSTRUCTION

BID	ITEM NO.	SUBAREA	MANHOLE	TO SUBAREA	TO MANHOLE	STREET/LOCATION	PIPE DIA (IN)	MATERIAL	APPROXIMATE MH TO MH LENGTH (LF)	APPROXIMATE STATION	BUILDING CONNECTION	APPROXIMATE DEPTH TO INVERT (VF)
BASE	2a, 2b	17	005	17	004	NORFOLK ROAD	8	VC	263	+0+87	#71 NORFOLK ROAD	7.5

BID	ITEM NO.	SUBAREA	MANHOLE	STREET/LOCATION	EXISTING STRUCTURE	APPROXIMATE FOOTAGE FROM DOWNSTREAM SEWER MANHOLE (LF)	APPROXIMATE DEPTH TO EXISTING INVERT (VF)
BASE	3a, 3b	54	024	WALL STREET	LAMPPOLE	146	7

1. APPROXIMATE EXISTING DEPTH (VF) AND LINEAR FOOTAGE (LF) BASED ON TOWN RECORD DRAWINGS.
2. CONTRACTOR SHALL PERFORM TEST PIT TO LOCATE UTILITIES PRIOR TO ORDERING MANHOLE.
3. CONTRACTOR TO CONFIRM LOCATION OF EXISTING LAMPHOLE PRIOR TO ORDERING/INSTALLING NEW MANHOLE

BID	ITEM NO.	SUBAREA	MANHOLE		STREET/LOCATION	MATERIAL
BASE	13c	28	024	A	SAGAMORE ROAD	BRICK

BID	ITEM NO.	SUBAREA	MANHOLE		STREET/LOCATION	MATERIAL
BASE	13d	17	003		PLEASANT STREET	BRICK

BID	ITEM NO.	SUBAREA	MANHOLE	TO	TO	STREET/LOCATION	PIPE DIA (IN)	MATERIAL	APPROXIMATE MH
				SUBAREA	MANHOLE				TO MH LENGTH (LF)
BASE	8a	17	005	17	004	NORFOLK ROAD	8	VC	263
BASE	8a	17	033	17	004	PLEASANT STREET	8	VC	236
BASE	8a	54	005	54	004	ARLIMONT STREET	8	VC	226
BASE	8a	54	006	54	005	ARLIMONT STREET	8	VC	226
BASE	8a	54	007	54	006	ARLIMONT STREET	8	VC	220
BASE	8a	54	023	54	024	WALL STREET	8	VC	146
BASE	8a	54	306	54	004	WALL STREET	8	VC	191

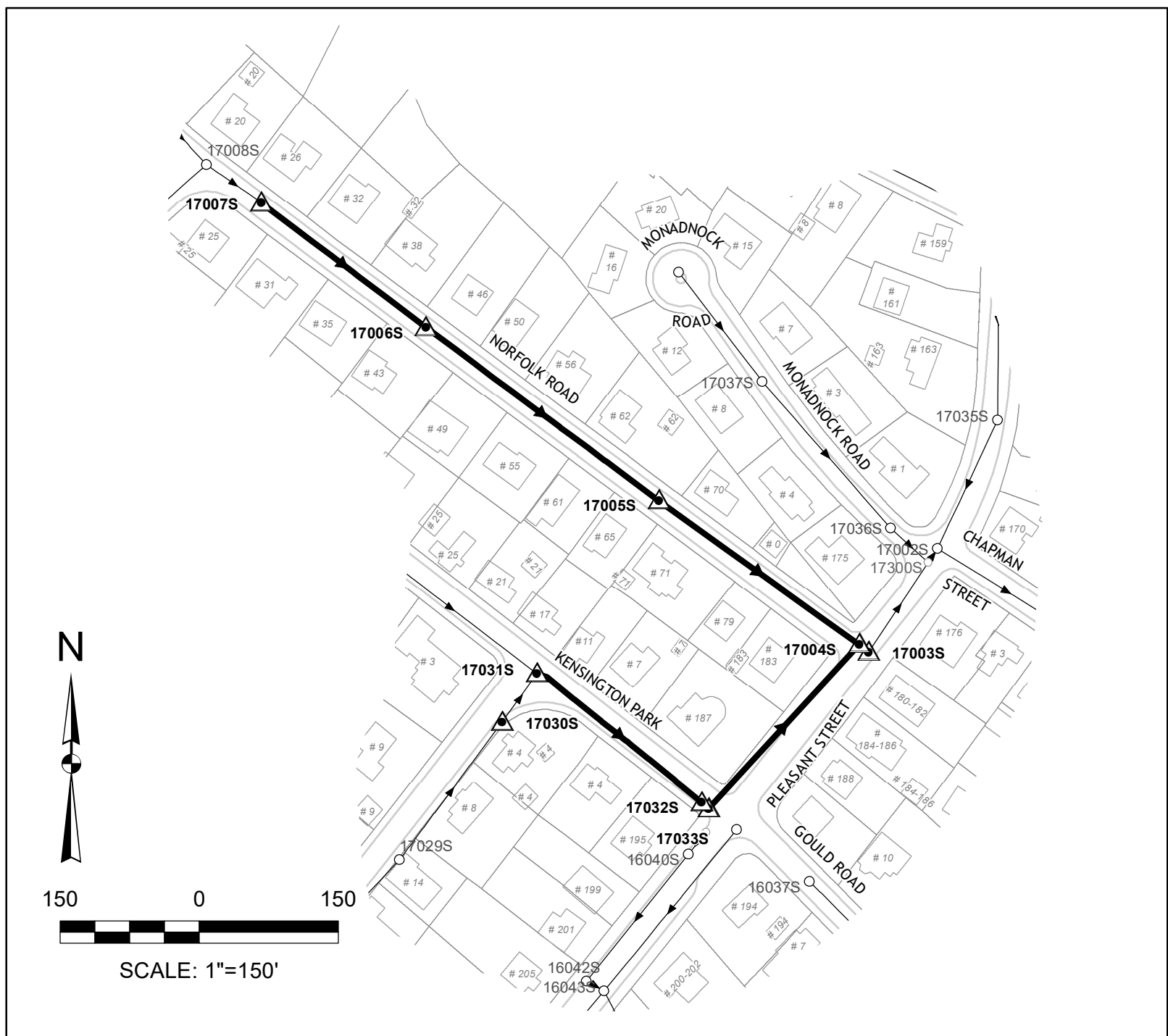
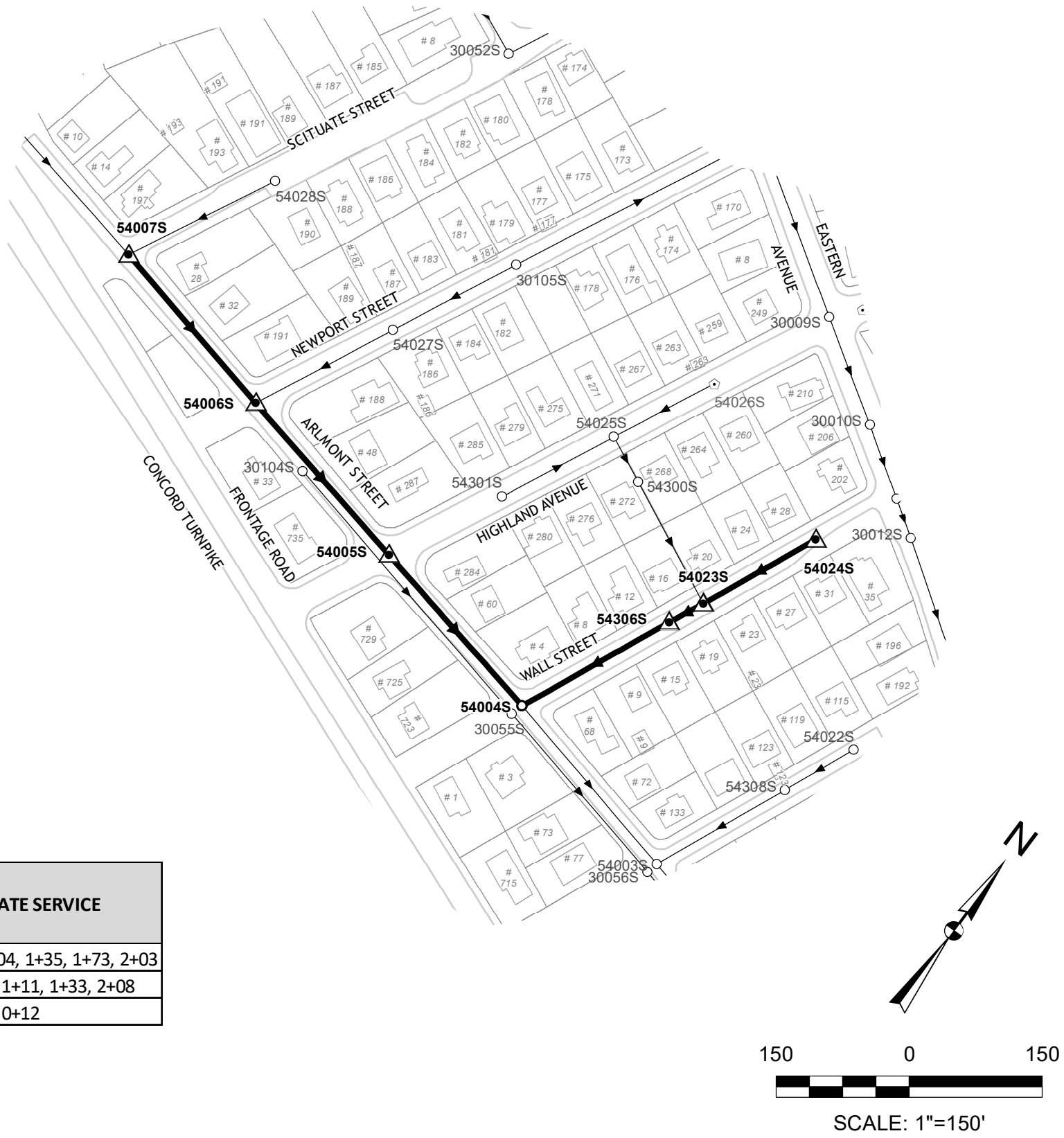
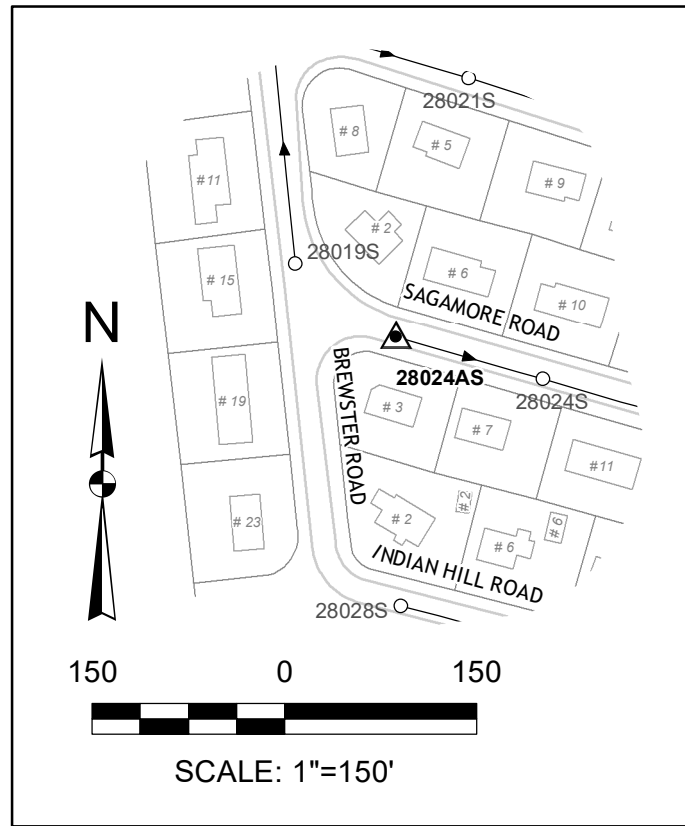
BID	ITEM NO.	SUBAREA	MANHOLE	TO SUBAREA	TO MANHOLE	STREET/LOCATION	PIPE DIA (IN)	MATERIAL	APPROXIMATE MH TO MH LENGTH (LF)	REINSTATE SERVICE
BASE	11a, 11b	17	007	17	006	NORFOLK ROAD	8	VC	230	0+17, 0+46, 1+04, 1+35, 1+73, 2+03
BASE	11a, 11b	17	031	17	032	BRANTWOOD ROAD	8	VC	234	0+89, 0+91, 1+11, 1+33, 2+08
BASE	11a, 11b	54	023	54	306	WALL STREET	8	VC	44	0+12

BID	ITEM NO.	SUBAREA	MANHOLE	TO SUBAREA	TO MANHOLE	STREET/LOCATION	PIPE DIA (IN)	MATERIAL	APPROXIMATE MH TO MH LENGTH (LF)	REINSTATE SERVICE
BASE	10a, 10b	17	004	17	003	PLEASANT STREET	8	VC	13	NONE
BASE	10a, 10b	17	005	17	004	NORFOLK ROAD	8	VC	263	0+87, 1+38, 2+10
BASE	10a, 10b	17	006	17	005	NORFOLK ROAD	8	VC	314	0+40, 0+88, 1+18, 1+80, 1+82, 2+41, 2+43
BASE	10a, 10b	17	032	17	033	BRANTWOOD ROAD	8	VC	19	NONE
BASE	10a, 10b	17	033	17	004	PLEASANT STREET	8	VC	236	0+58
BASE	10a, 10b	54	005	54	004	ARLINGTON STREET	8	VC	226	0+53, 0+70, 0+92, 1+37, 1+70
BASE	10a, 10b	54	006	54	005	ARLINGTON STREET	8	VC	226	1+03, 1+08, 1+71, 1+96
BASE	10a, 10b	54	007	54	006	ARLINGTON STREET	8	VC	220	0+42, 0+85, 1+02
BASE	10a, 10b	54	023	54	024	WALL STREET	8	VC	146	0+08, 0+20, 0+59, 0+87, 0+99, 1+01, 1+46
BASE	10a, 10b	54	306	54	004	WALL STREET	8	VC	191	0+15, 0+36, 0+44, 0+69, 0+97, 1+37

BID	ITEM NO.	SUBAREA	MANHOLE	TO SUBAREA	TO MANHOLE	STREET/LOCATION	PIPE DIA (IN)	MATERIAL	APPROXIMATE MH TO MH LENGTH (LF)	APPROXIMATE STATION
BASE	12a	54	306	54	004	WALL STREET	8	VC	191	0+97

BID	ITEM NO.	SUBAREA	MANHOLE	STREET/LOCATION	MATERIAL	APPROXIMATE MH DEPTH (VF)
BASE	13a	17	003	PLEASANT STREET	BRICK	10
BASE	13a	17	004	NORFOLK ROAD	BRICK	10
BASE	13a	17	005	NORFOLK ROAD	BRICK	6
BASE	13a	17	006	NORFOLK ROAD	BRICK	6
BASE	13a	17	007	NORFOLK ROAD	BRICK	6
BASE	13a	17	030	BRANTWOOD ROAD	BRICK	7
BASE	13a	17	031	KENSINGTON PARK	BRICK	6
BASE	13a	17	032	KENSINGTON PARK	BRICK	6
BASE	13a	17	033	KENSINGTON PARK	BRICK	6
BASE	13a	28	024	A SAGAMORE ROAD	BRICK	6
BASE	13a	54	005	ARLIMONT STREET	BRICK	7
BASE	13a	54	006	ARLIMONT STREET	BRICK	7
BASE	13a	54	007	ARLIMONT STREET	BRICK	8
BASE	13a	54	023	WALL STREET	BRICK	8
BASE	13a	54	306	WALL STREET	BRICK	9

BID	ITEM NO.	SUBAREA	MANHOLE		STREET/LOCATION	MATERIAL
BASE	8b	17	030		BRANTWOOD ROAD	BRICK



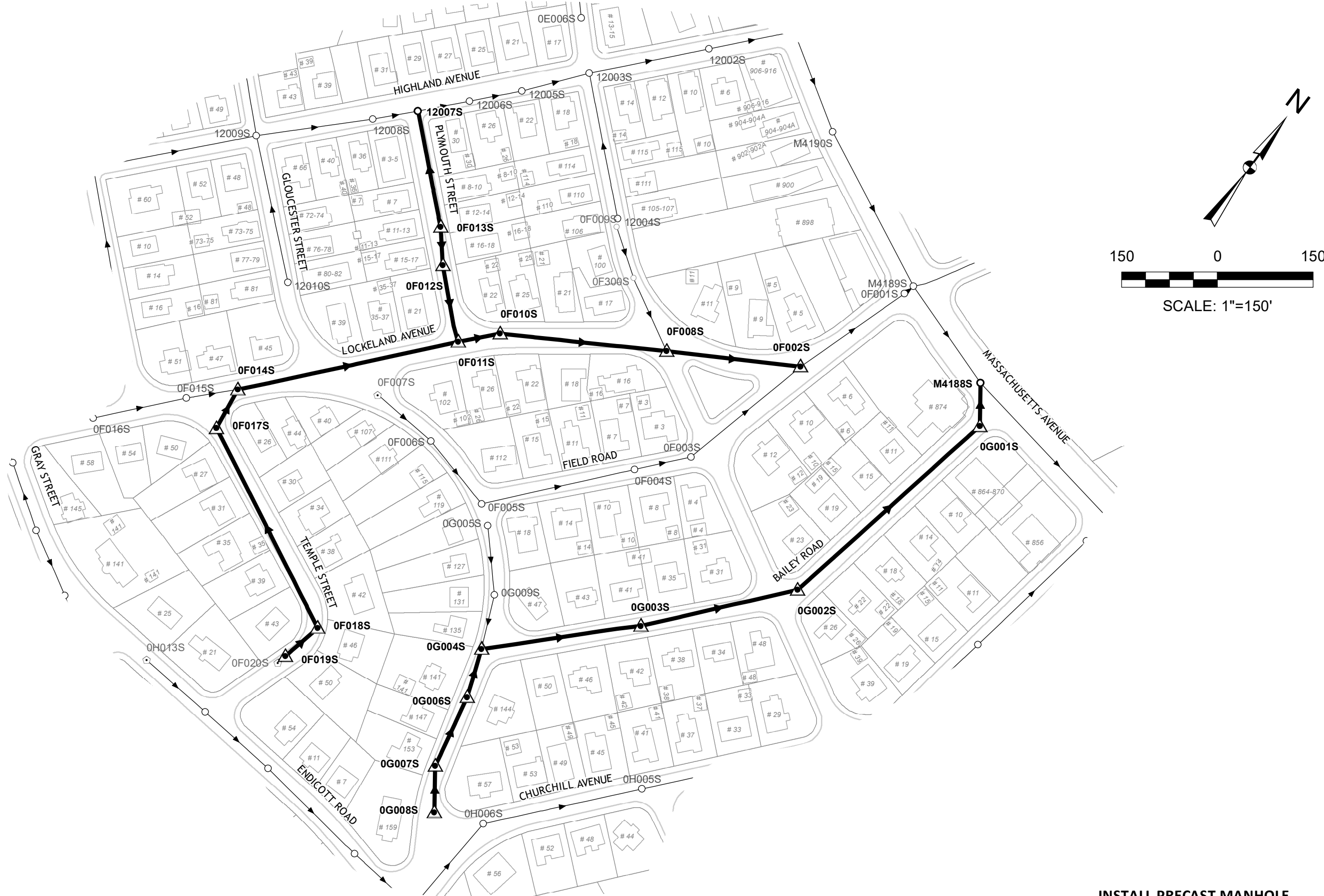
OPEN CUT POINT REPAIR												
BID	ITEM NO.	SUBAREA	MANHOLE	TO SUBAREA	TO MANHOLE	STREET/LOCATION	PIPE DIA (IN)	MATERIAL	APPROXIMATE MH TO MH LENGTH (LF)	APPROXIMATE STATION	TO APPROXIMATE STATION	REINSTATE SERVICE
BASE	1a	OF	008	OF	002	LOCKELAND AVENUE	8	VC	214	0+00	0+06	NONE
BASE	1a, 2b	OF	011	OF	010	LOCKELAND AVENUE	8	VC	63	0+45	0+63	0+46
#26 LOCKELAND AVENUE												
7												

GROUT AND PATCH SEWER MANHOLES						
BID	ITEM NO.	SUBAREA	MANHOLE	STREET/LOCATION	MATERIAL	APPROXIMATE MH DEPTH (VF)
BASE	13b	OG	003	BAILEY ROAD	LINED	8

MAINLINE CHEMICAL ROOT TREATMENT								
BID	ITEM NO.	SUBAREA	MANHOLE	TO SUBAREA	TO MANHOLE	STREET/LOCATION	PIPE DIA (IN)	APPROXIMATE MH TO MH LENGTH (LF)
BASE	8a	OF	010	OF	008	LOCKELAND AVENUE	8	266
BASE	8a	OF	013	OF	012	PLYMOUTH STREET	8	135
BASE	8a	OF	013	12	007	PLYMOUTH STREET	8	184
BASE	8a	OF	017	OF	014	TEMPLE STREET	8	67
BASE	8a	OF	018	OF	017	TEMPLE STREET	8	347
BASE	8a	OG	002	OG	001	BAILEY ROAD	8	380

CEMENTITIOUS LINING OF SEWER MANHOLES					
BID	ITEM NO.	SUBAREA	MANHOLE	STREET/LOCATION	APPROXIMATE MH DEPTH (VF)
BASE	13a	OF	002	LOCKELAND AVENUE	9
BASE	13a	OF	008	LOCKELAND AVENUE	10
BASE	13a	OF	010	LOCKELAND AVENUE	8
BASE	13a	OF	011	LOCKELAND AVENUE	8
BASE	13a	OF	012	PLYMOUTH STREET	7
BASE	13a	OF	013	PLYMOUTH STREET	5
BASE	13a	OF	014	LOCKELAND AVENUE	7
BASE	13a	OF	017	TEMPLE STREET	8
BASE	13a	OF	018	TEMPLE STREET	8
BASE	13a	OF	019	TEMPLE STREET	8
BASE	13a	OG	001	BAILEY ROAD	9
BASE	13a	OG	002	BAILEY ROAD	8
BASE	13a	OG	004	GLOUCESTER STREET	7
BASE	13a	OG	006	GLOUCESTER STREET	7
BASE	13a	OG	007	GLOUCESTER STREET	7

CURED-IN-PLACE PIPE									
BID	ITEM NO.	SUBAREA	MANHOLE	TO SUBAREA	TO MANHOLE	STREET/LOCATION	PIPE DIA (IN)	MATERIAL	APPROXIMATE MH TO MH LENGTH (LF)
BASE	10a, 10b	OF	008	OF	002	LOCKELAND AVENUE	8	VC	214
BASE	10a, 10b	OF	010	OF	008	LOCKELAND AVENUE	8	VC	266
BASE	10a, 10b	OF	011	OF	010	LOCKELAND AVENUE	8	VC	63
BASE	10a, 10b	OF	012	OF	011	PLYMOUTH STREET	8	VC	55
BASE	10a, 10b	OF	013	OF	012	PLYMOUTH STREET	8	VC	135
BASE	10a, 10b	OF	013	12	007	PLYMOUTH STREET	8	VC	184
BASE	10a, 10b	OF	014	OF	011	LOCKELAND AVENUE	8	VC	349
BASE	10a, 10b	OF	017	OF	014	TEMPLE STREET	8	VC	67
BASE	10a, 10b	OF	018	OF	017	TEMPLE STREET	8	VC	347
BASE	10a, 10b	OF	019	OF	018	TEMPLE STREET	8	VC	70
BASE	10a, 10b	OG	001	M4	188	BAILEY ROAD	8	VC	81
BASE	10a, 10b	OG	002	OG	001	BAILEY ROAD	8	VC	380
BASE	10a, 10b	OG	003	OG	002	BAILEY ROAD	8	VC	252
BASE	10a, 10b	OG	004	OG	003	BAILEY ROAD	8	VC	251
BASE	10a, 10b	OG	006	OG	004	GLOUCESTER STREET	8	VC	76
BASE	10a, 10b	OG	007	OG	006	GLOUCESTER STREET	8	VC	122
BASE	10a, 10b	OG	008	OG	007	GLOUCESTER STREET	8	VC	77



INSTALL PRECAST MANHOLE						
BID	ITEM NO.	SUBAREA	MANHOLE	STREET/LOCATION	EXISTING STRUCTURE	APPROXIMATE FOOTAGE FROM DOWNSTREAM SEWER MANHOLE (LF)
BASE	3a, 3b	OG	008	GLOUCESTER STREET	LAMPHOLE	77

- NOTE:
1. APPROXIMATE EXISTING DEPTH (VF) AND LINEAR FOOTAGE (LF) BASED ON TOWN RECORD DRAWINGS.
 2. CONTRACTOR SHALL PERFORM TEST PIT TO LOCATE UTILITIES PRIOR TO ORDERING MANHOLE.
 3. CONTRACTOR TO CONFIRM LOCATION OF EXISTING LAMPHOLE PRIOR TO ORDERING/INSTALLING NEW MANHOLE

CUT PROTRUDING SERVICE CONNECTION								
BID	ITEM NO.	SUBAREA	MANHOLE	TO SUBAREA	TO MANHOLE	STREET/LOCATION	PIPE DIA (IN)	APPROXIMATE MH TO MH LENGTH (LF)
BASE	12a	OF	008	OF	002	LOCKELAND AVENUE	8	214
BASE	12a	OF	014	OF	011	LOCKELAND AVENUE	8	349
BASE	12a	OF	018	OF	017	TEMPLE STREET	8	347
BASE	12a	OG	004	OG	003	BAILEY ROAD	8	251

Project:
TOWN OF ARLINGTON, MA
DEPARTMENT OF PUBLIC WORKS



PHASE #14 SANITARY SEWER
REHABILITATIONS

51 GROVE STREET
ARLINGTON, MASSACHUSETTS

Weston & Sampson


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Consultants:

Revisions:

No.	Date	Description

Seal:



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Issued For:

PLANS FOR PUBLIC
BID AND
CONSTRUCTION

Scale: NOTED

Date: JULY 2022
Drawn By: JMC
Reviewed By: PAT
Approved By: DME

W&S Project No.: ENG21-1399
W&S File No.: 249-7

Drawing Title:

BASE BID PLANS
AND
TABLES

Sheet Number:

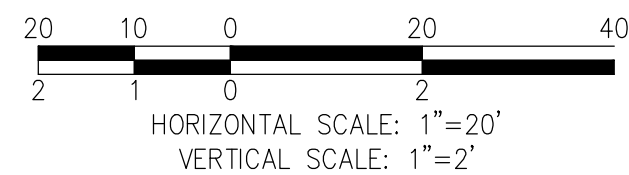
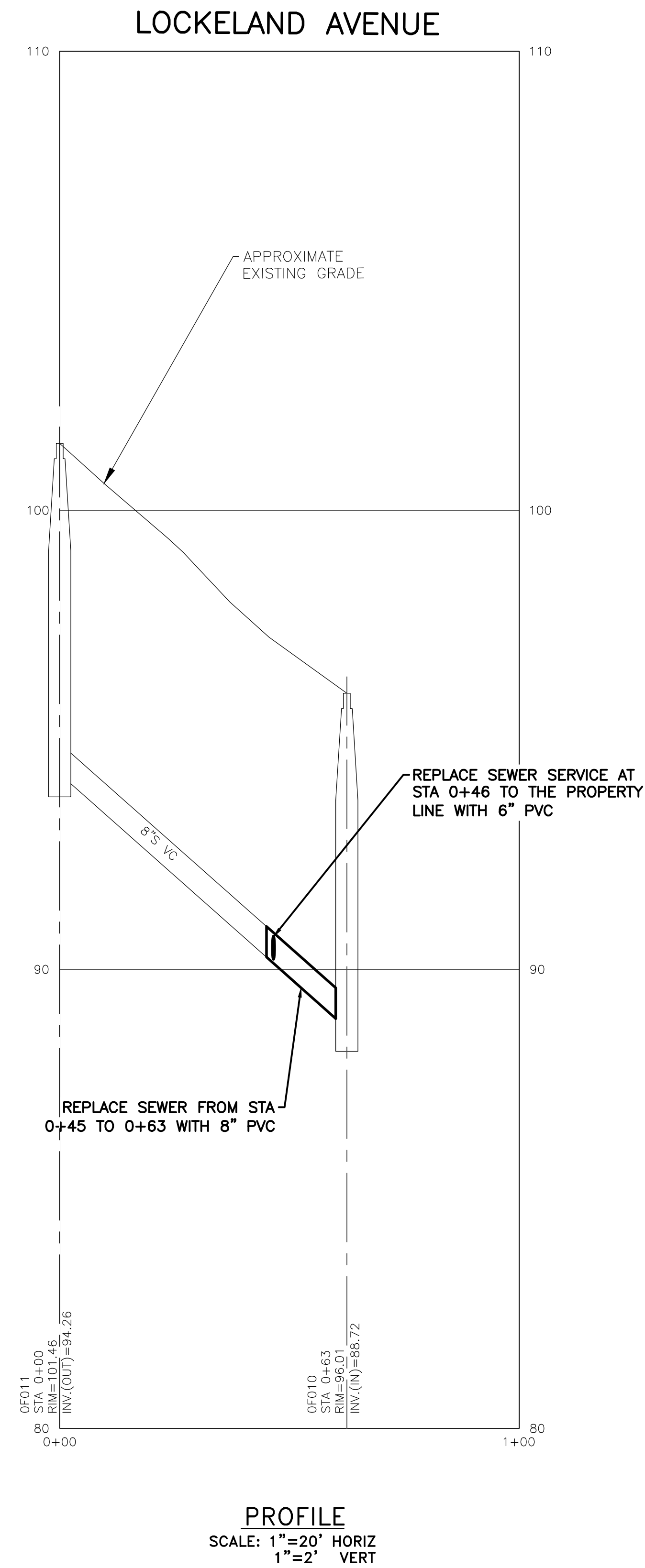
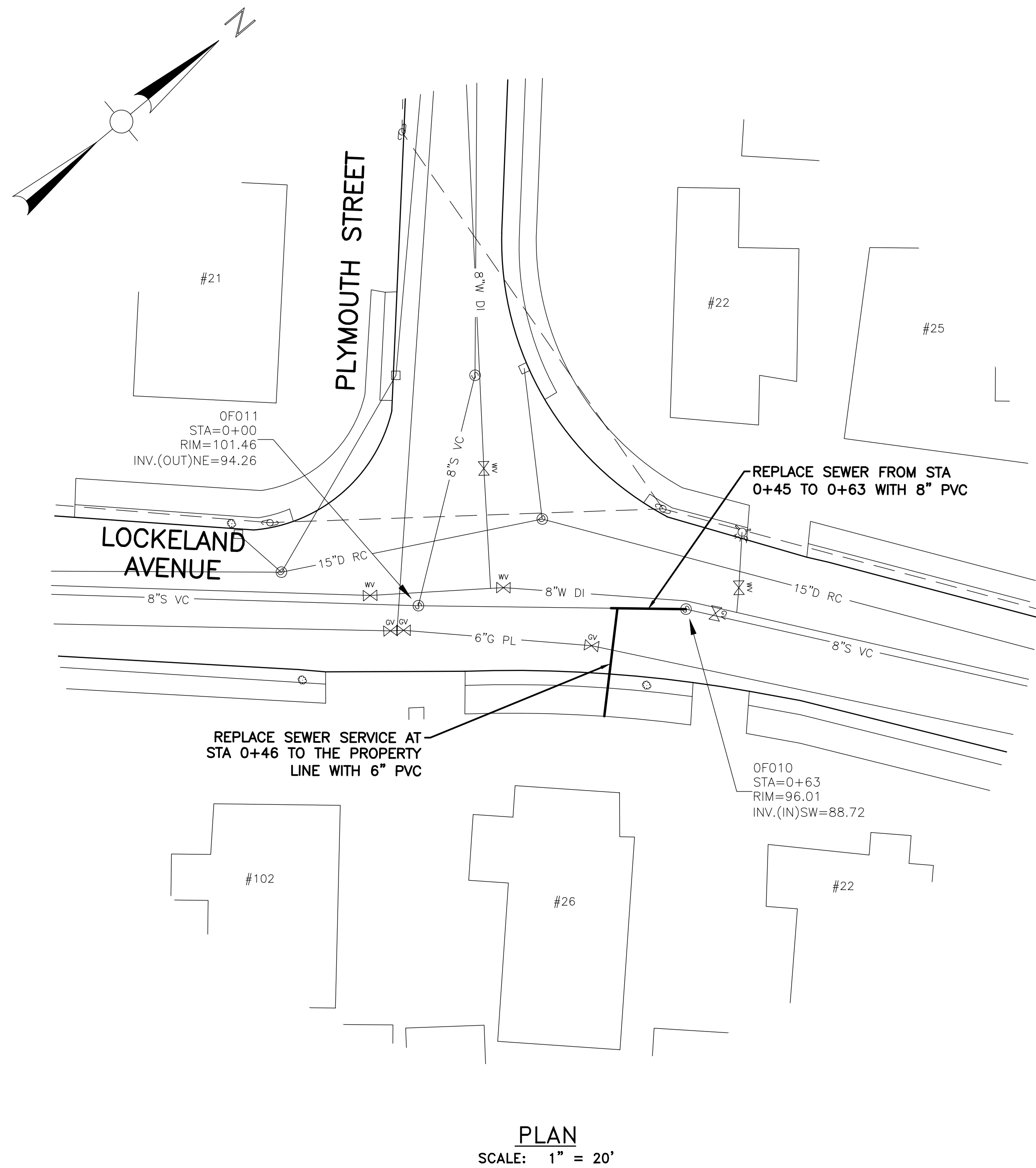
C-2

Rev. 1.0 Date: 04/10/2019

CLEANING AND INSPECTION OF SEWERS									
BID	ITEM NO.	STREET/LOCATION	SUBAREA	MANHOLE	TO SUBAREA	TO MANHOLE	PIPE DIA (IN)	MATERIAL	APPROXIMATE MH TO MH LENGTH (LF)
BASE	9a	BAKER ROAD	50	054	50	053	8	AC	78
BASE	9a	BAKER ROAD	50	054	50	055	8	AC	209
BASE	9a	BAKER ROAD	50	055	50	056	8	AC	76
BASE	9a	BAKER ROAD	50	057	50	056	8	AC	62
BASE	9a	BAKER ROAD	50	057	50	061	8	AC	209
BASE	9a	STOWECROFT ROAD	50	059	50	059	A 8	AC	103
BASE	9a	STOWECROFT ROAD	50	059	50	060	8	AC	276
BASE	9a	STOWECROFT ROAD	50	060	50	061	8	AC	329
BASE	9a	STOWECROFT ROAD	50	062	50	061	8	AC	127
BASE	9a	SORENSEN COURT	50	062	50	063	8	AC	168
BASE	9a	STOWECROFT ROAD	50	062	50	064	8	AC	192
BASE	9a	STOWECROFT ROAD	50	064	50	064	A 8	AC	126
BASE	9a	STOWECROFT ROAD	50	064	A 50	065	8	AC	123
BASE	9a	CUTTER HILL ROAD	50	079	50	078	8	VC	69
BASE	9a	CUTTER HILL ROAD	50	079	50	080	8	VC	206
BASE	9a	CROSBY STREET	50	082	50	067	8	VC	190
BASE	9a	CROSBY STREET	50	082	50	083	8	VC	54
BASE	9a	STOWECROFT ROAD	50	084	50	089	8	VC	60
BASE	9a	RIDGE STREET	50	085	50	084	8	VC	40
BASE	9a	RIDGE STREET	50	085	50	086	8	VC	45
BASE	9a	EDGEHILL ROAD	50	085	50	087	8	VC	110
BASE	9a	EDGEHILL ROAD	50	087	50	088	8	VC	174
BASE	9a	STOWECROFT ROAD	50	089	50	090	8	VC	132
BASE	9a	STOWECROFT ROAD	50	090	50	066	8	VC	205
BASE	9a	MYSTIC STREET	50	091	50	092	8	VC	196
BASE	9a	KIMBALL ROAD	50	091	50	097	12	VC	117
BASE	9a	MYSTIC STREET	50	092	50	093	8	VC	154
BASE	9a	MYSTIC STREET	50	094	50	095	8	VC	91
BASE	9a	MYSTIC STREET	50	096	50	095	8	VC	109
BASE	9a	MYSTIC STREET	50	097	50	096	8	VC	192
BASE	9a	MYSTIC STREET	50	097	50	098	6	PVC	125
BASE	9a	KIMBALL ROAD	50	097	50	099	10	VC	63

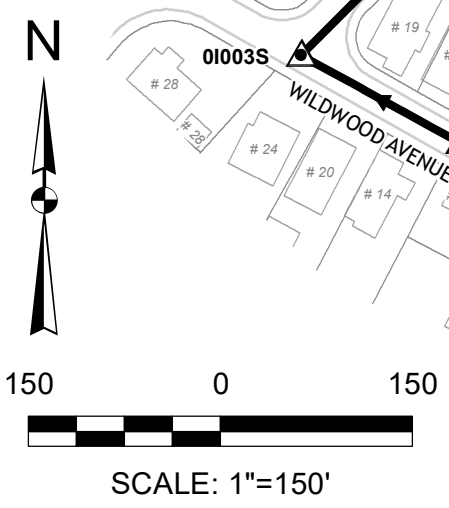
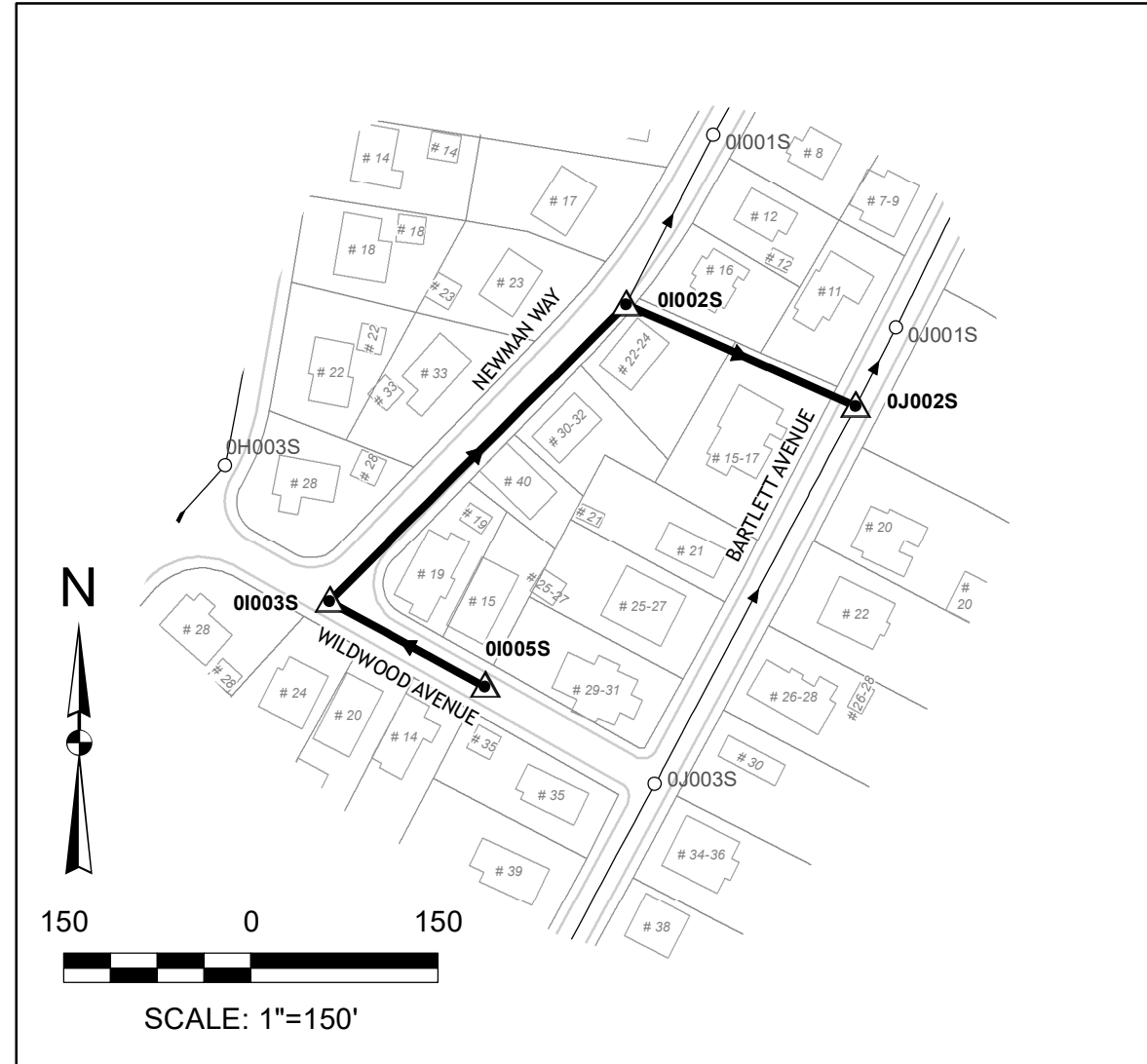
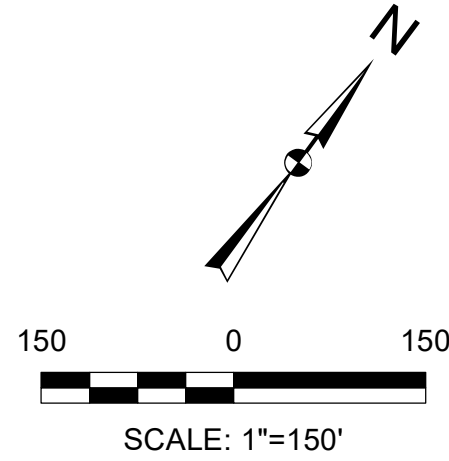
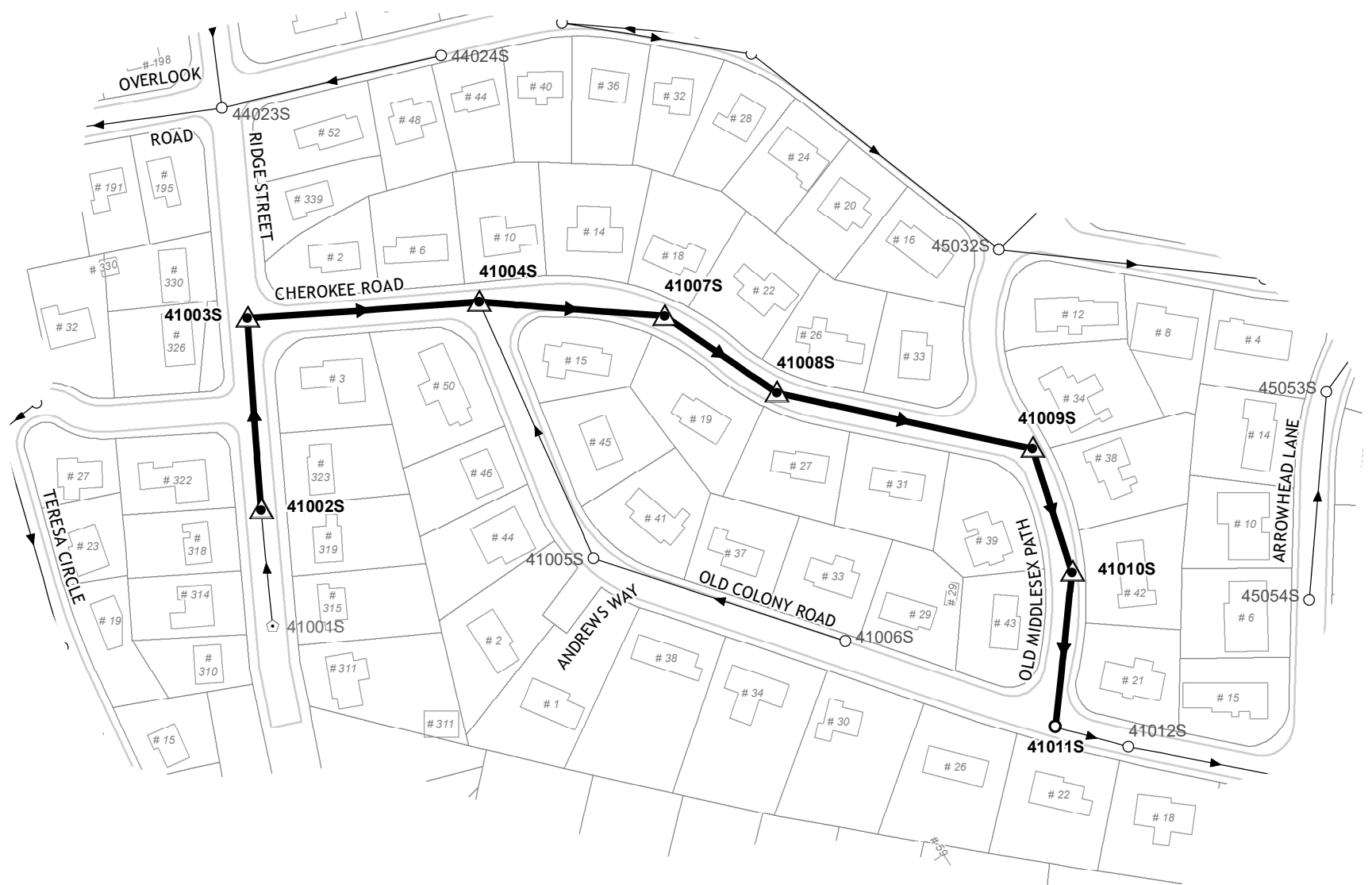
FLOW ISOLATION OF SEWERS									
BID	ITEM NO.	STREET/LOCATION	SUBAREA	MANHOLE	TO SUBAREA	TO MANHOLE	PIPE DIA (IN)	MATERIAL	APPROXIMATE MH TO MH LENGTH (LF)
BASE	14a	BAKER ROAD	50	054	50	053	8	AC	78
BASE	14a	BAKER ROAD	50	054	50	055	8	AC	209
BASE	14a	BAKER ROAD	50	055	50	056	8	AC	76
BASE	14a	BAKER ROAD	50	057	50	056	8	AC	62
BASE	14a	BAKER ROAD	50	057	50	061	8	AC	209
BASE	14a	STOWECROFT ROAD	50	059	50	059	A 8	AC	103
BASE	14a	STOWECROFT ROAD	50	059	50	060	8	AC	276
BASE	14a	STOWECROFT ROAD	50	060	50	061	8	AC	329
BASE	14a	STOWECROFT ROAD	50	062	50	061	8	AC	127
BASE	14a	SORENSEN COURT	50	062	50	063	8	AC	168
BASE	14a	STOWECROFT ROAD	50	062	50	064	8	AC	192
BASE	14a	STOWECROFT ROAD	50	064	50	064	A 8	AC	126
BASE	14a	STOWECROFT ROAD	50	064	A 50	065	8	AC	123
BASE	14a	CUTTER HILL ROAD	50	079	50	078	8	VC	69
BASE	14a	CUTTER HILL ROAD	50	079	50	080	8	VC	206
BASE	14a	CROSBY STREET	50	082	50	067	8	VC	190
BASE	14a	CROSBY STREET	50	082	50	083	8	VC	54
BASE	14a	STOWECROFT ROAD	50	084	50	089	8	VC	60
BASE	14a	RIDGE STREET	50	085	50	084	8	VC	40
BASE	14a	RIDGE STREET	50	085	50	086	8	VC	45
BASE	14a	EDGEHILL ROAD	50	085	50	087	8	VC	110
BASE	14a	EDGEHILL ROAD	50	087	50	088	8	VC	174
BASE	14a	STOWECROFT ROAD	50	089	50	090	8	VC	132
BASE	14a	STOWECROFT ROAD	50	090	50	066	8	VC	205
BASE	14a	MYSTIC STREET	50	091	50	092	8	VC	196
BASE	14a	KIMBALL ROAD	50	091	50	097	12	VC	117
BASE	14a	MYSTIC STREET	50	092	50	093	8	VC	154
BASE	14a	MYSTIC STREET	50	094	50	095	8	VC	91
BASE	14a	MYSTIC STREET	50	096	50	095	8	VC	109
BASE	14a	MYSTIC STREET	50	097	50	096	8	VC	192
BASE	14a	MYSTIC STREET	50	097	50	098	6	PVC	125
BASE	14a	KIMBALL ROAD	50	097	50	099	10	VC	63





Revisions:		
No.	Date	Description

CURED-IN-PLACE PIPE										
BID	ITEM NO.	SUBAREA	MANHOLE	TO SUBAREA	TO MANHOLE	STREET/LOCATION	PIPE DIA (IN)	MATERIAL	APPROXIMATE MH TO MH LENGTH (LF)	REINSTATE SERVICE
ALT. 1	18a, 18b	0I	002	0J	002	NEWMAN WAY	8	VC	201	NONE
ALT. 1	18a, 18b	0I	003	0I	002	NEWMAN WAY	8	VC	332	0+68, 1+90, 2+19, 2+50, 2+97
ALT. 1	18a, 18b	0I	005	0I	003	WILDWOOD AVENUE	8	VC	141	0+25, 0+59, 0+93, 1+29
ALT. 1	18a, 18b	41	003	41	002	RIDGE STREET	8	VC	192	1+24, 1+40
ALT. 1	18a, 18b	41	003	41	004	CHEROKEE ROAD	8	VC	245	1+13, 1+21, 1+39, 2+00
ALT. 1	18a, 18b	41	004	41	007	CHEROKEE ROAD	8	VC	184	0+36, 0+42, 0+65, 1+00, 1+12, 1+76
ALT. 1	18a, 18b	41	007	41	008	CHEROKEE ROAD	8	VC	134	0+71, 0+86, 0+89, 1+13
ALT. 1	18a, 18b	41	009	41	008	CHEROKEE ROAD	8	VC	259	NONE
ALT. 1	18a, 18b	41	009	41	010	OLD MIDDLESEX PATH	8	VC	129	0+46, 0+68, 0+89
ALT. 1	18a, 18b	41	010	41	011	OLD MIDDLESEX PATH	8	VC	154	0+18, 0+20, 0+36, 0+81, 0+89, 1+00, 1+50

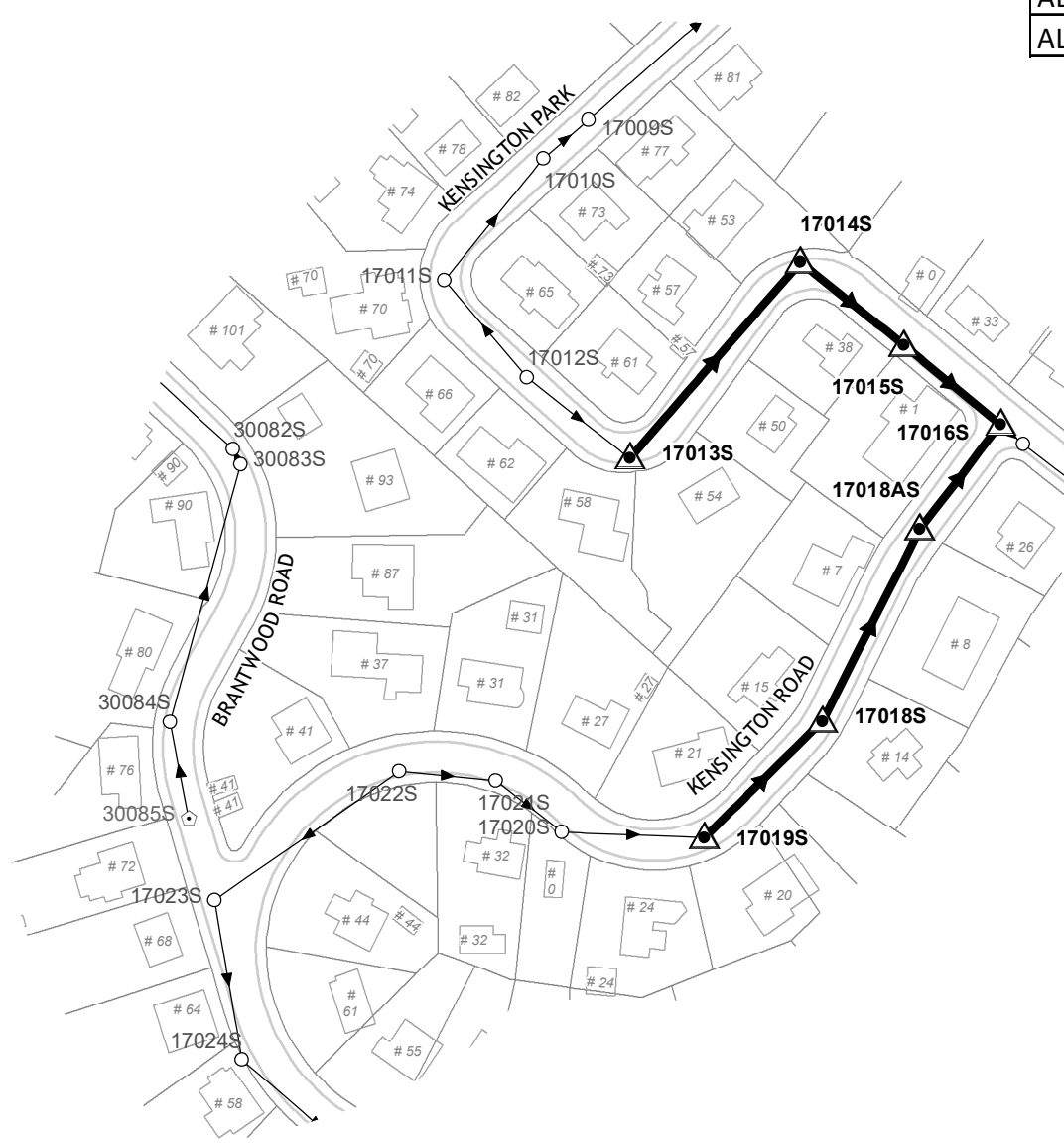
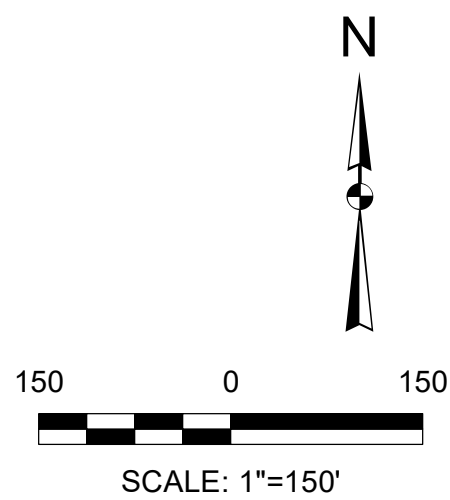


MAINLINE CHEMICAL ROOT TREATMENT									
BID	ITEM NO.	SUBAREA	MANHOLE	TO SUBAREA	TO MANHOLE	STREET/LOCATION	PIPE DIA (IN)	MATERIAL	APPROXIMATE MH TO MH LENGTH (LF)
ALT 1	17a	0I	002	0J	002	NEWMAN WAY	8	VC	201
ALT 1	17a	0I	003	0I	002	NEWMAN WAY	8	VC	332
ALT 1	17a	0I	005	0I	003	WILDWOOD AVENUE	8	VC	141

CEMENTITIOUS LINING OF SEWER MANHOLES					
BID	ITEM NO.	SUBAREA	MANHOLE	STREET/LOCATION	APPROXIMATE MH DEPTH (VF)
ALT 1	19a	0I	002	NEWMAN WAY	6
ALT 1	19a	0I	003	WILDWOOD AVENUE	7
ALT 1	19a	0I	005	WILDWOOD AVENUE	7
ALT 1	19a	0J	002	BARTLETT AVENUE	10
ALT 1	19a	41	002	RIDGE STREET	8
ALT 1	19a	41	003	RIDGE STREET	7
ALT 1	19a	41	004	CHEROKEE ROAD	9
ALT 1	19a	41	007	CHEROKEE ROAD	7
ALT 1	19a	41	008	CHEROKEE ROAD	7
ALT 1	19a	41	009	OLD MIDDLESEX PATH	7
ALT 1	19a	41	010	OLD MIDDLESEX PATH	7

ALTERNATE BID NO. 1

CUT PROTRUDING SERVICE CONNECTION										
BID	ITEM NO.	SUBAREA	MANHOLE	TO SUBAREA	TO MANHOLE	STREET/LOCATION	PIPE DIA (IN)	MATERIAL	APPROXIMATE MH TO MH LENGTH (LF)	APPROXIMATE STATION
ALT. 2	25a	17	019	17	018	KENSINGTON ROAD	8	VC	106	0+37



BID	ITEM NO.	SUBAREA	MANHOLE	TO SUBAREA	TO MANHOLE	STREET/LOCATION	PIPE DIA (IN)	MATERIAL	APPROXIMATE MH TO MH LENGTH (LF)	REINSTATE SERVICE
ALT. 2	23a, 23b	17	013	17	014	KENSINGTON PARK	8	VC	211	NONE
ALT. 2	23a, 23b	17	015	17	014	KENSINGTON PARK	8	VC	106	0+20, 0+28, 0+31, 0+91
ALT. 2	23a, 23b	17	016	17	015	KENSINGTON PARK	8	VC	103	0+53
ALT. 2	23a, 23b	17	018	A	17	016	KENSINGTON ROAD	8	VC	94 0+70, 0+90
ALT. 2	23a, 23b	17	019	17	018	KENSINGTON ROAD	8	VC	106	0+25, 0+37, 1+00

MAINLINE CHEMICAL ROOT TREATMENT									
BID	ITEM NO.	SUBAREA	MANHOLE	TO SUBAREA	TO MANHOLE	STREET/LOCATION	PIPE DIA (IN)	MATERIAL	APPROXIMATE MH TO MH LENGTH (LF)
ALT 2	22a	17	015	17	014	KENSINGTON PARK	8	VC	106

CEMENTITIOUS LINING OF SEWER MANHOLES					
BID	ITEM NO.	SUBAREA	MANHOLE	STREET/LOCATION	APPROXIMATE MH DEPTH (VF)
ALT 2	26a	17	013	KENSINGTON PARK	6
ALT 2	26a	17	014	KENSINGTON PARK	7
ALT 2	26a	17	015	KENSINGTON PARK	6
ALT 2	26a	17	016	KENSINGTON PARK	7
ALT 2	26a	17	018	KENSINGTON ROAD	7
ALT 2	26a	17	018	A KENSINGTON ROAD	8
ALT 2	26a	17	019	KENSINGTON ROAD	7

STRUCTURAL CURED-IN-PLACE PIPE										
BID	ITEM NO.	SUBAREA	MANHOLE	TO SUBAREA	TO MANHOLE	STREET/LOCATION	PIPE DIA (IN)	MATERIAL	APPROXIMATE MH TO MH LENGTH (LF)	REINSTATE SERVICE
ALT 2	24a	17	018	17	018	A KENSINGTON ROAD	8	VC	155	NONE

ALTERNATE BID NO. 2

Project:
TOWN OF ARLINGTON, MA
DEPARTMENT OF PUBLIC WORKS



PHASE #14 SANITARY SEWER
REHABILITATIONS

51 GROVE STREET
ARLINGTON, MASSACHUSETTS

Weston & Sampson

Weston & Sampson Engineers, Inc.
55 Walkers Brook Drive, Suite 100
Reading, MA 01867
978.532.1900 800.SAMPSON
www.westonandsampson.com

Consultants:

Revisions:

No.	Date	Description

Seal:



COA:

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PLANS FOR PUBLIC
BID AND
CONSTRUCTION

Scale: NOTED

Date: JULY 2022

Drawn By: JMC

Reviewed By: PAT

Approved By: DME

W&S Project No.: ENG21-1399

W&S File No.: 249-4

Drawing Title:

ALTERNATE BID NO 1 AND
ALTERNATE BID NO 2
PLANS AND TABLES

Sheet Number:

C-5

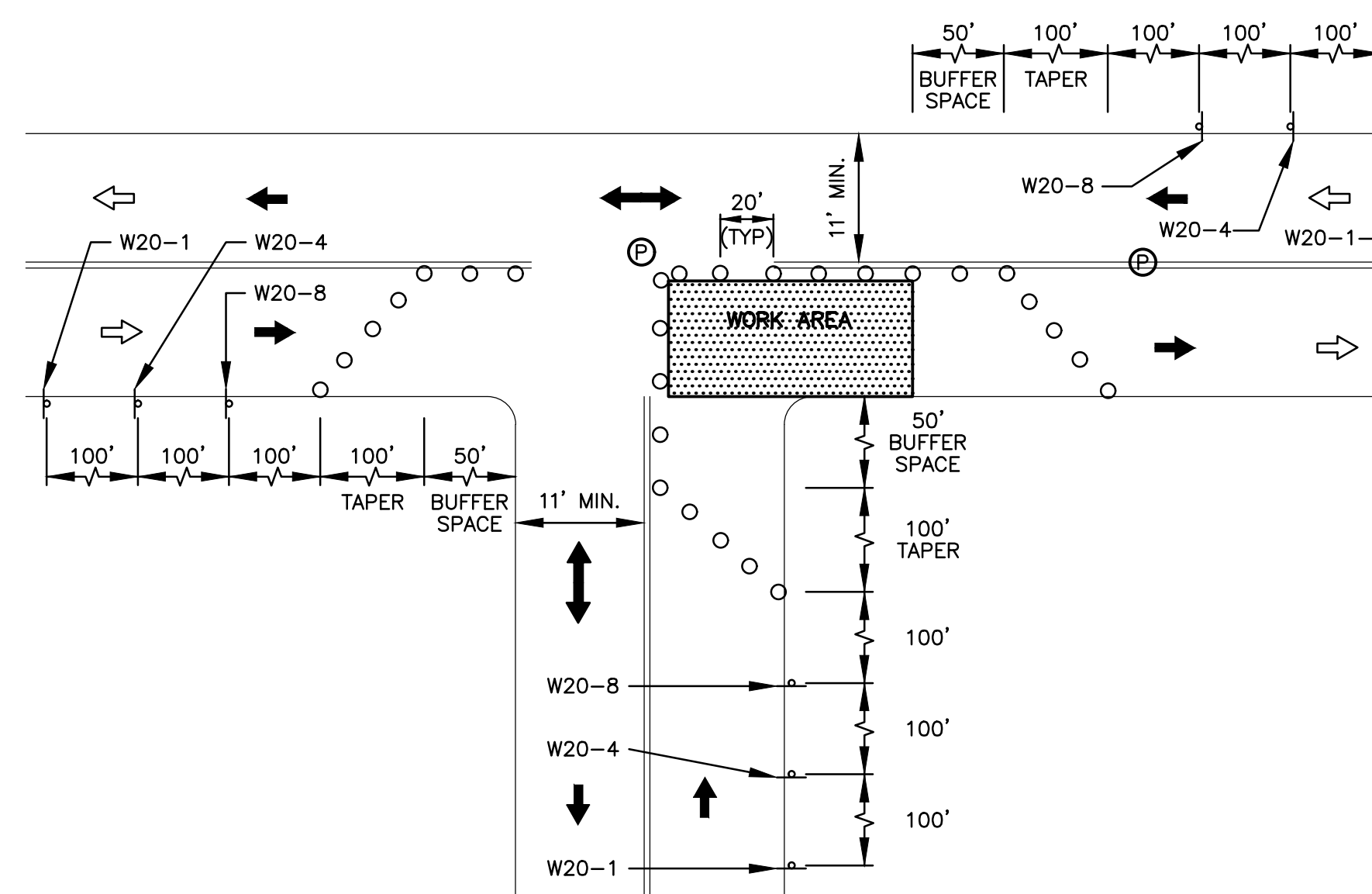
[illegible]

Diagram illustrating the traffic operation stages for a construction project, specifically Stage II. The diagram shows a cross-section of a road with a central work area. Key dimensions and features include:

- Work Area:** A central rectangular area, 20' wide (TYP), with 11' MIN. clearance on all sides.
- Buffer Space:** 50' buffer space on either side of the work area.
- Taper:** 100' taper segments on either side of the buffer space.
- Lane Markings:** W1-4R (Right Lane) and W20-1 (Left Lane) are indicated.
- Access:** Access to abutments should remain at all times.

The diagram is labeled **STAGE II** and **TRAFFIC OPERATION STAGES**.

TYPICAL TEMPORARY DAYTIME LANE CLOSURE – THROUGH ROADWAY

NOTE:


1. FOR THE LATEST SPECIFICATION ON TEXT DIMENSIONS AND COLOR, CONTRACTOR SHALL REFER TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CURRENT EDITION).

- REFLECTORIZED DRUM
- ← TRAFFIC FLOW DURING CONSTRUCTION
- ⇐ NORMAL TRAFFIC FLOW
- Ⓟ POLICE DETAIL OFFICER
- Ⓢ CONSTRUCTION SIGN
- ▨ WORK AREA

1. PLACEMENT OF ALL CONSTRUCTION SIGNS, DRUMS, BARRICADES, TRAFFIC DEVICES AND THE SHAPE, SIZE & COLOR OF ALL TEMPORARY TRAFFIC SIGNS SHALL CONFORM WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
2. ADVANCE WARNING SIGN PLACEMENT AND TAPER LENGTH TO BE ADJUSTED ACCORDING TO STREET CONDITIONS AND DRIVEWAY OPENINGS.
3. ALL DRUMS SHALL BE APPROXIMATELY PLACED AND MOVED AS NECESSARY TO MAINTAIN ADEQUATE ABUTTER ACCESS AT ALL TIMES.
4. THE CONTRACTOR SHALL NOTIFY EACH ABUTTER AT LEAST 24 HOURS IN ADVANCE OF THE START OF ANY WORK THAT WILL REQUIRE THE TEMPORARY CLOSURE OF ACCESS, SUCH AS EXISTING PAVEMENT EXCAVATION, TEMPORARY DRIVEWAY PAVEMENT PLACEMENT AND SIMILAR OPERATIONS.
5. NONESSENTIAL TRAFFIC CONTROL DEVICES SHALL BE COVERED OR REMOVED DURING NON-WORKING HOURS.
6. PEDESTRIANS SHALL BE PROVIDED WITH ACCESS AND SAFE PASSAGE THROUGH THE TEMPORARY TRAFFIC CONTROL ZONE AT ALL TIMES.
7. W20-8 SHALL BE TAKEN DOWN OR COVERED AFTER EACH WORKING DAY OR WHEN OTHERWISE NOT APPLICABLE, OR WHEN POLICE OFFICERS ARE NOT PRESENT TO DIRECT TRAFFIC.
8. ADVISORY SPEED PLATES (W13-1 - SEE CURRENT EDITION OF MUTCD) SHALL BE USED IF APPLICABLE AND AS REQUIRED BY THE ENGINEER.
9. NO DIFFERENCE IN ROADWAY LANE ELEVATION WILL BE ALLOWED AT THE END OF THE WORK DAY.
10. SAMPLE TRAFFIC PLANS INCLUDED ON THIS PLAN SHEET ARE BASED ON AN URBAN (LOW SPEED) ROAD TYPE FROM THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
11. DASHED LINES SHOW LANE DESIGNATIONS TO BE USED DURING CONSTRUCTION.
12. THE CONTRACTOR SHALL SUBMIT ANY REVISIONS TO THE CONSTRUCTION ZONE SAFETY PLAN TO THE ENGINEER FOR APPROVAL.
13. THIS CONSTRUCTION ZONE SAFETY PLAN SHALL NOT RELIEVE THE CONTRACTOR OF HIS SOLE RESPONSIBILITY FOR CONSTRUCTION SITE SAFETY.

[illegible]

Seal:

The seal is circular with a serrated outer edge. The text "COMMONWEALTH OF MASSACHUSETTS" is written along the top inner curve, and "REGISTERED PROFESSIONAL ENGINEER" is written along the bottom inner curve. In the center, the text reads: "DAVID M. ELMER", "CIVIL", "No. 41507".

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CONSTRUCTION**

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Date:	JULY 2022
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Reviewed By:	PAT
Approved By:	DME

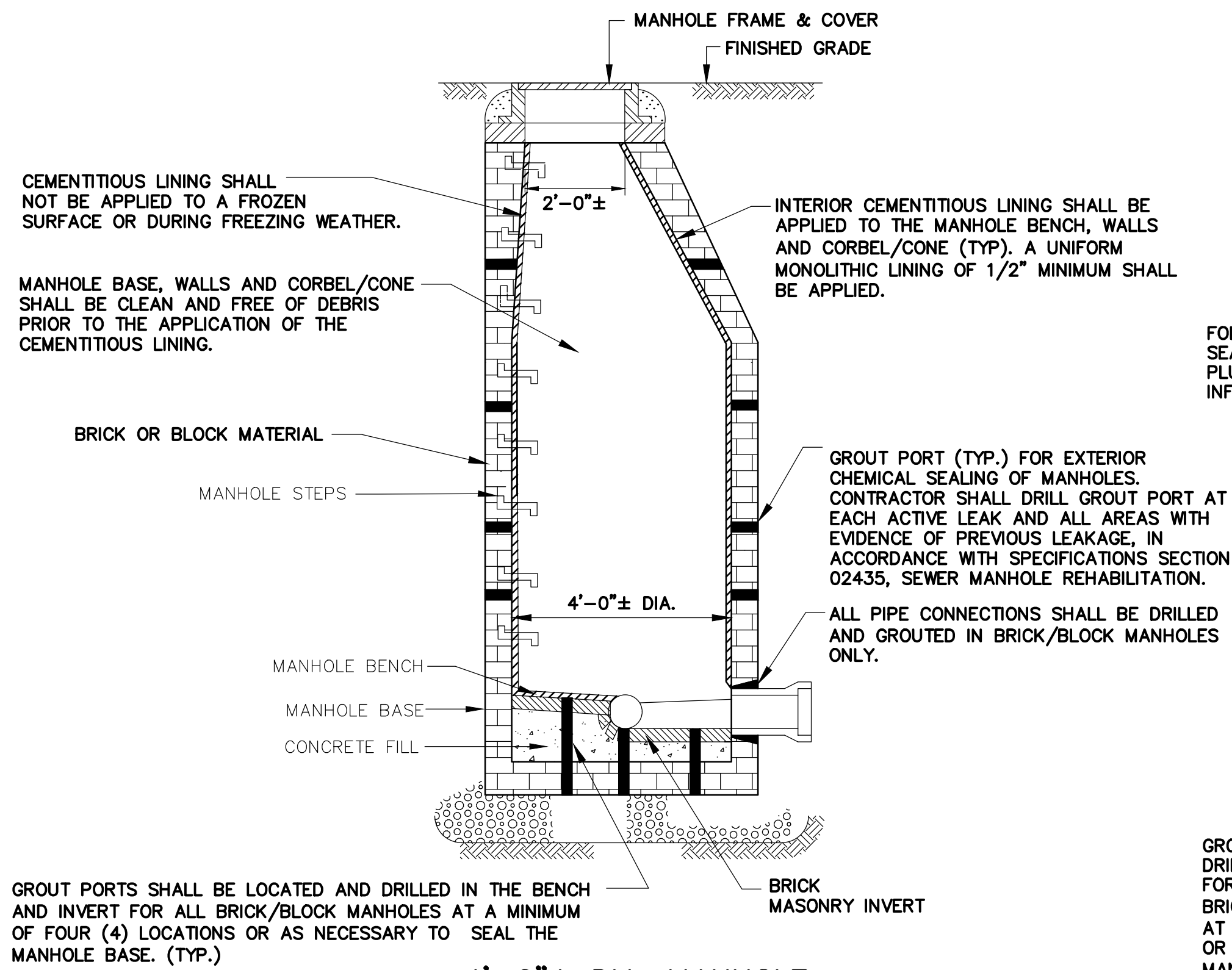
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W&S File No.: 249-3

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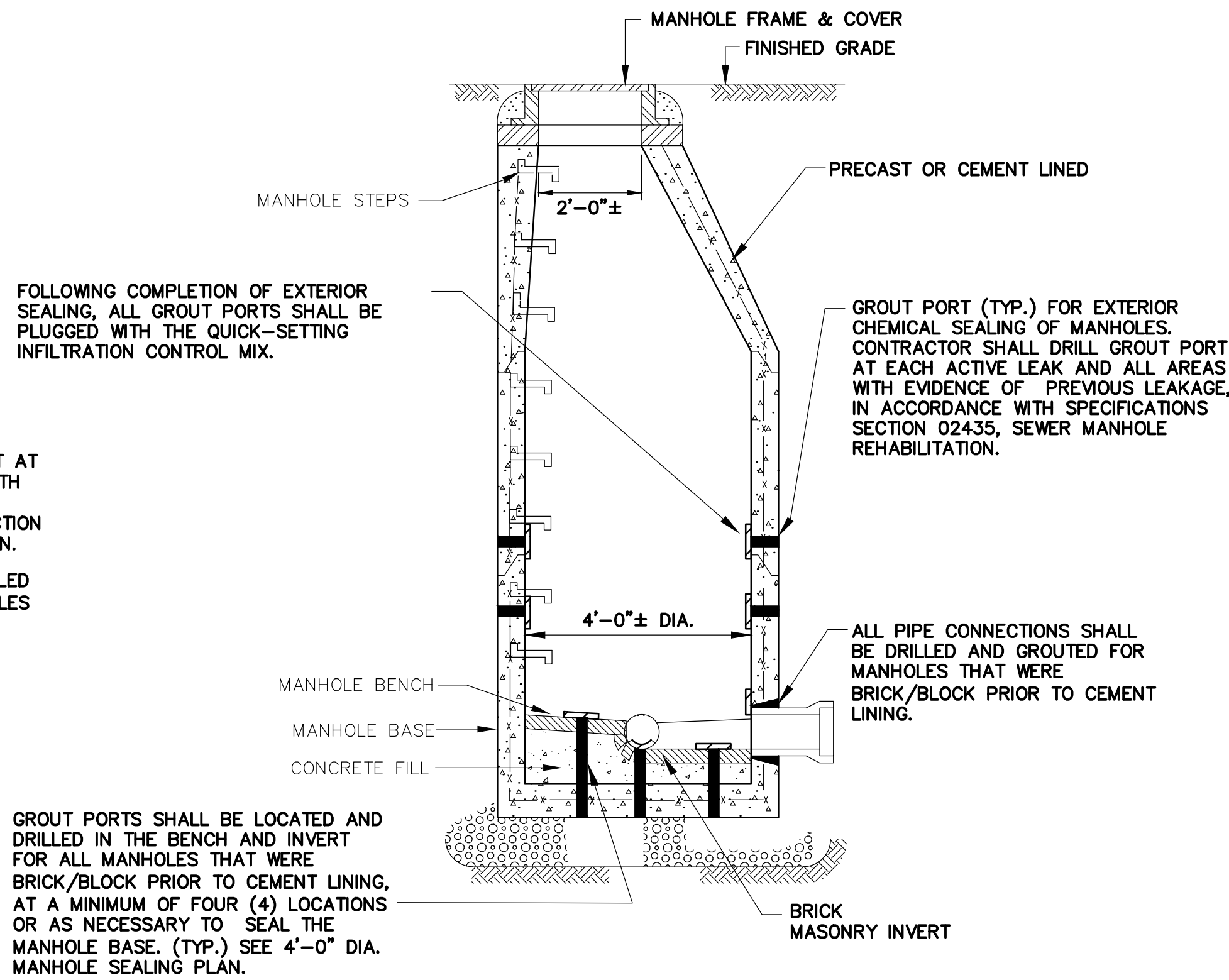
CONSTRUCTION
ZONE SAFETY PLAN

Sheet Number: _____

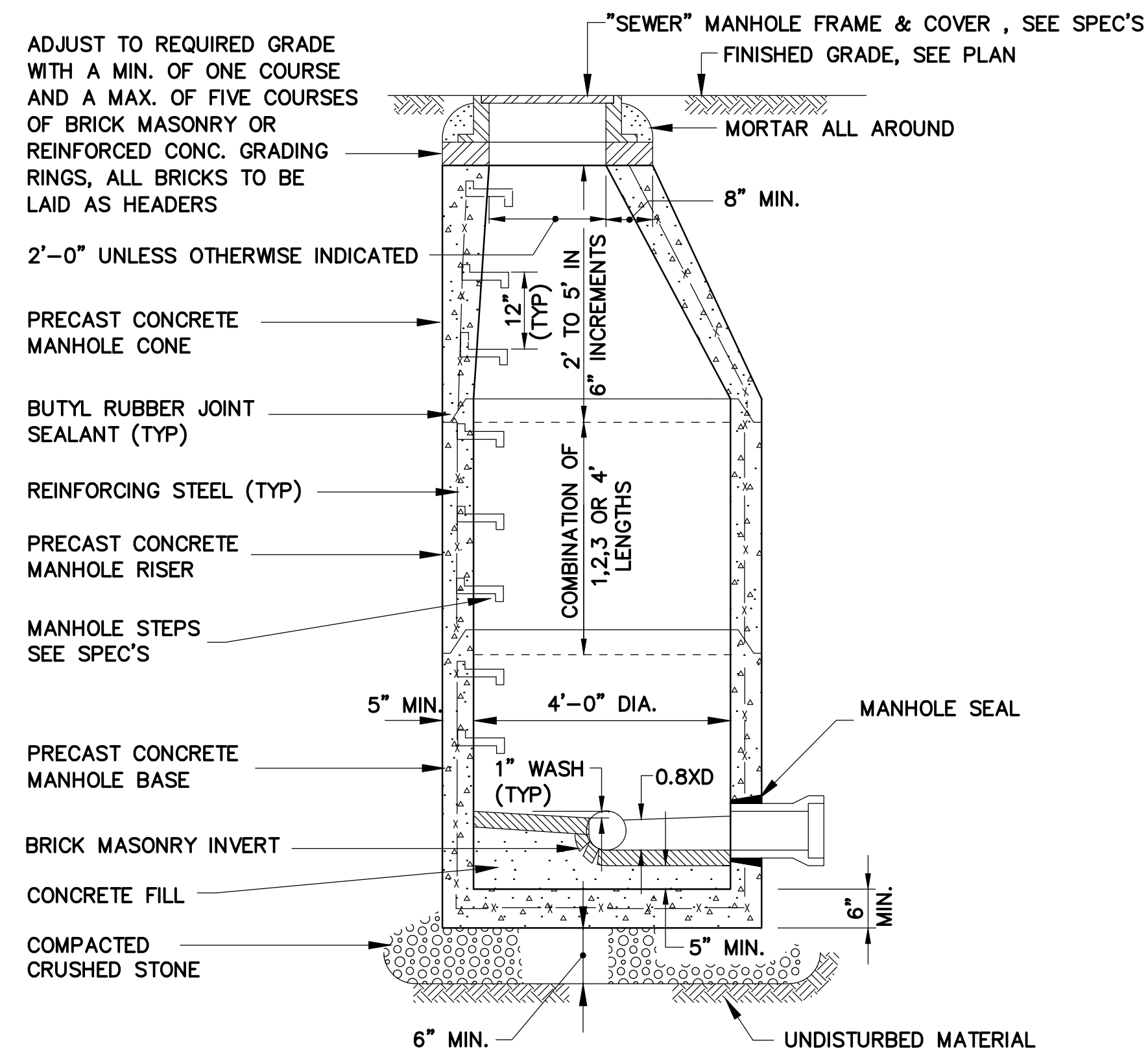
C-6



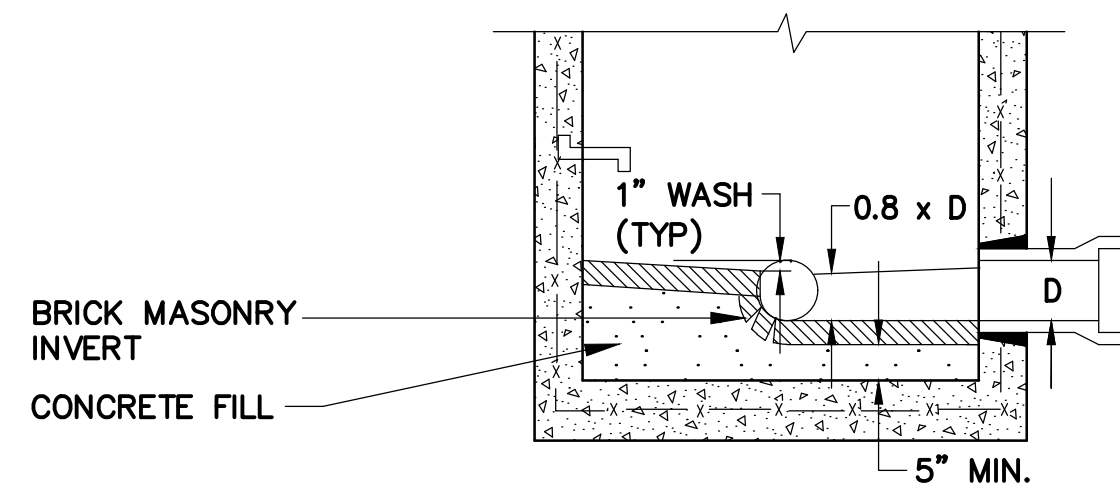
**4'-0"± DIA. MANHOLE
CEMENTITIOUS LINING DETAIL**
N.T.S.



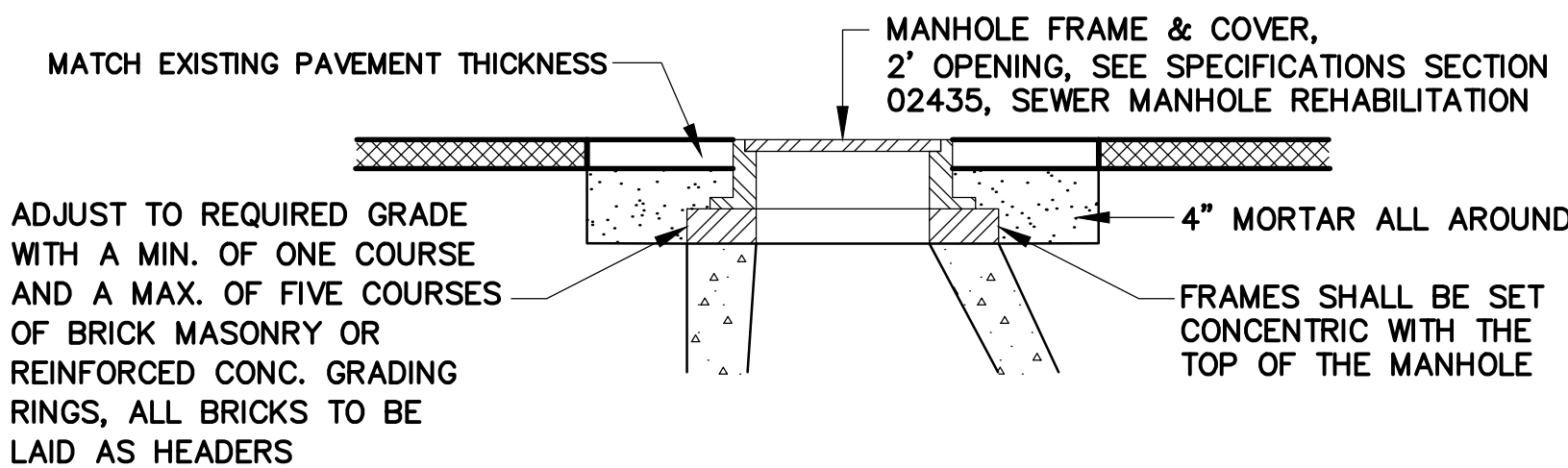
**4'-0"± DIA. MANHOLE
GROUT AND PATCH DETAIL**
N.T.S.



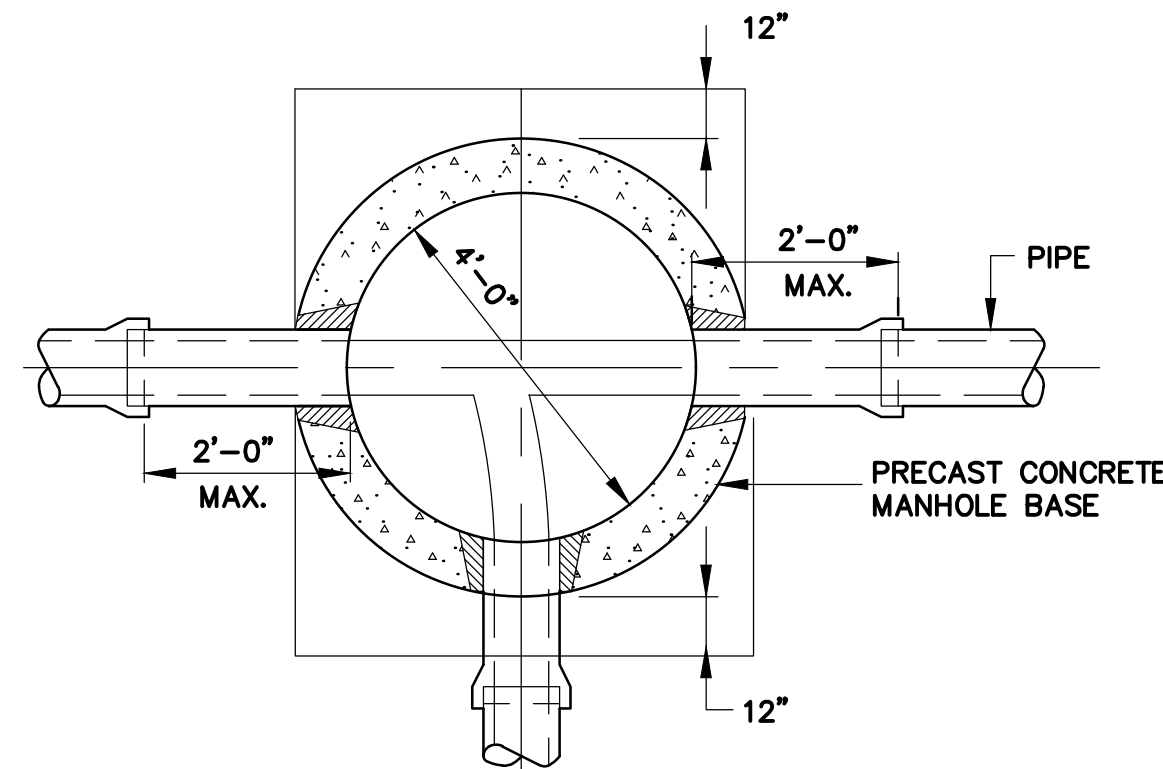
**TYPE A
4'-0" DIA. PRECAST CONCRETE
SEWER MANHOLE DETAIL**
N.T.S.



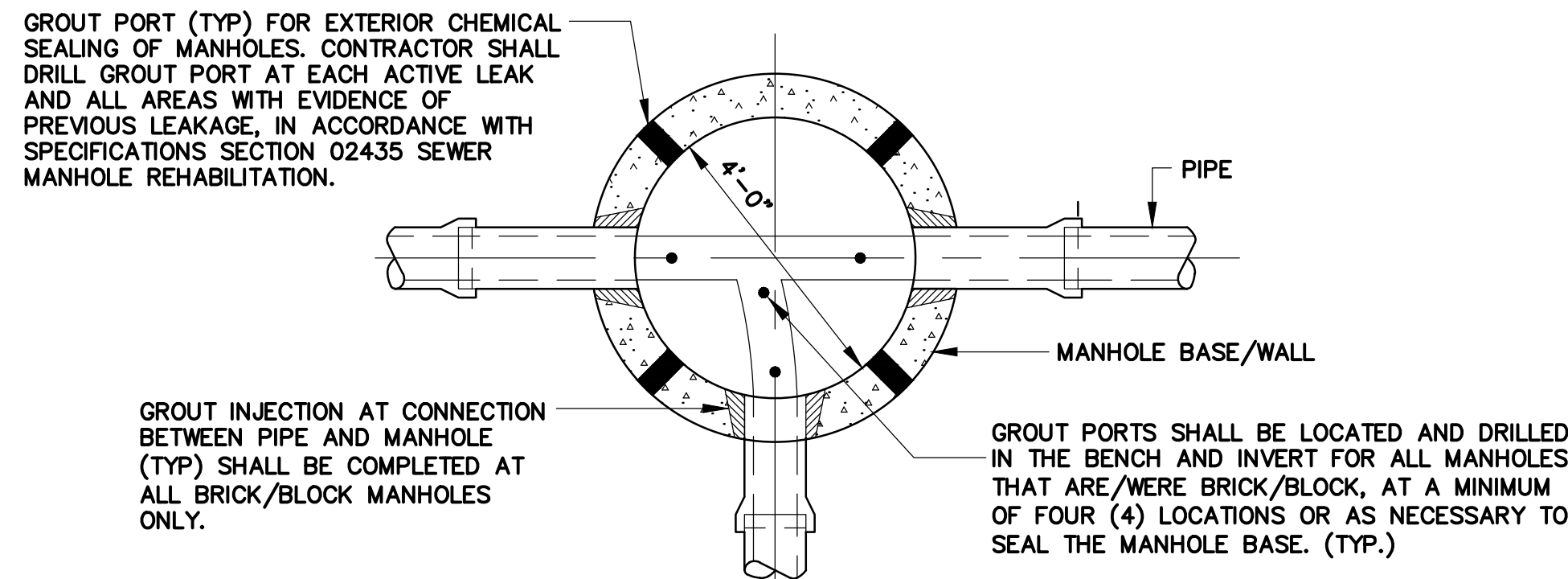
**BUILD MANHOLE
BENCH AND INVERT DETAIL**
N.T.S.



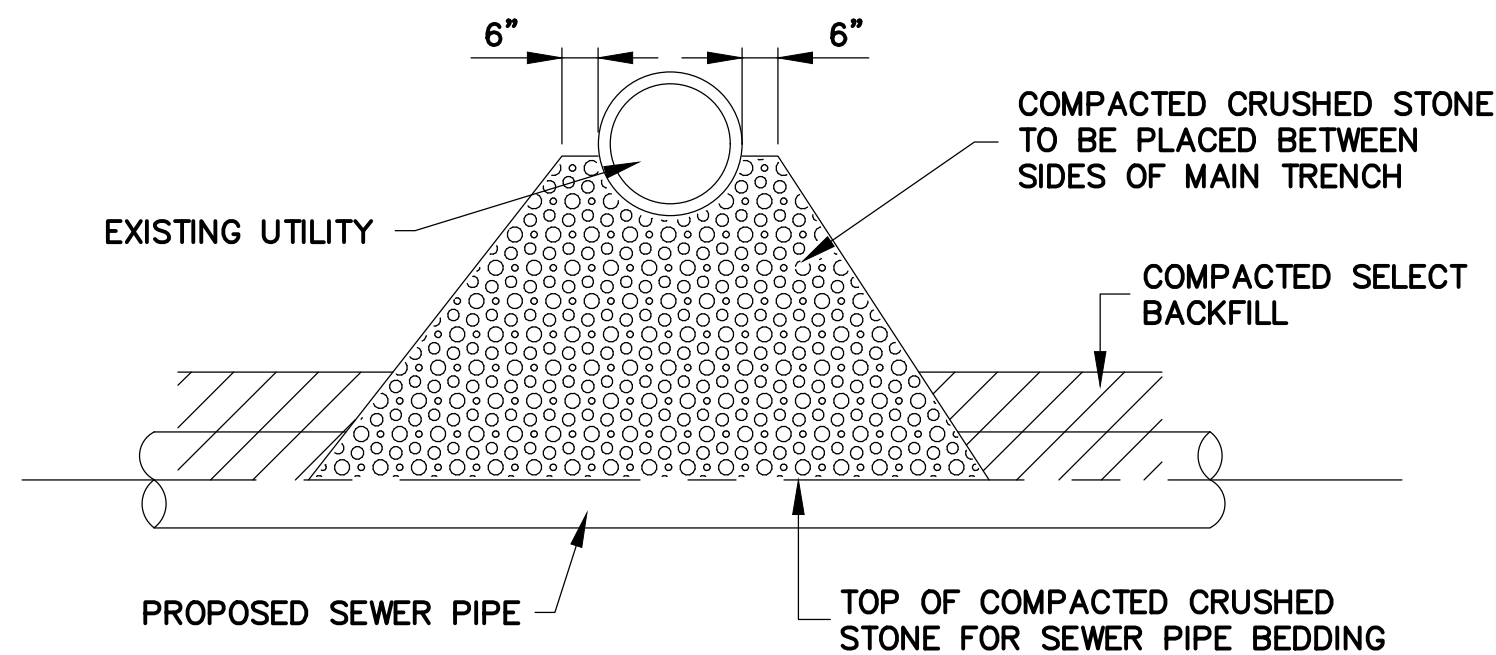
MANHOLE FRAME AND COVER REPLACEMENT
N.T.S.



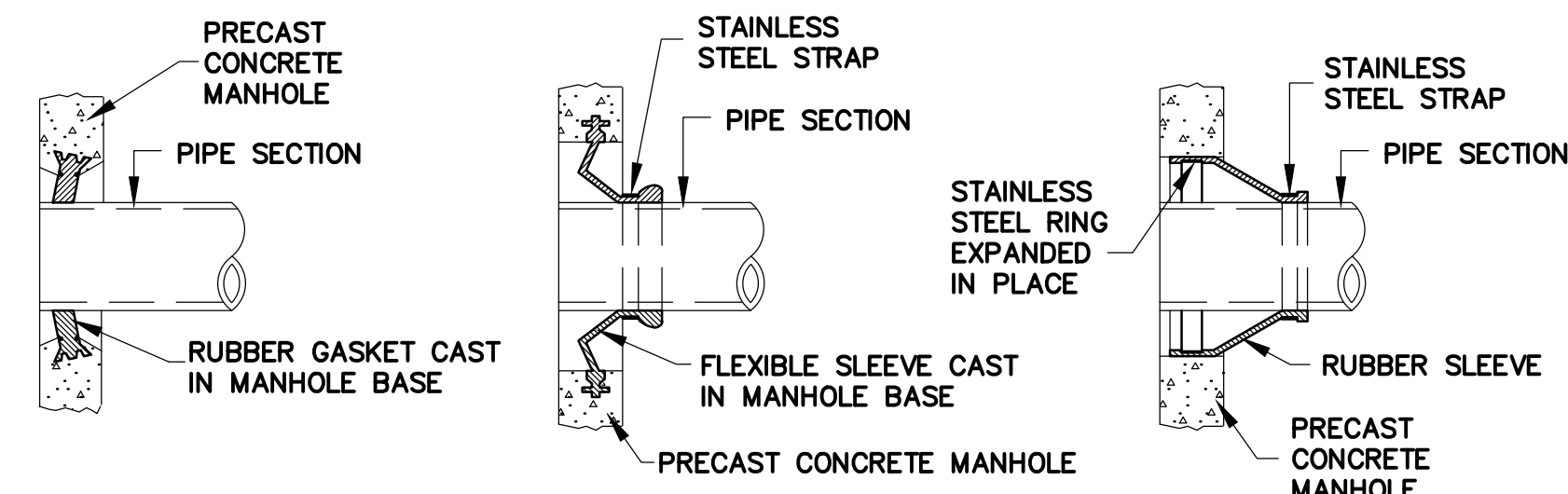
4'-0" DIA. MANHOLE PLAN
N.T.S.



4'-0" DIA. MANHOLE SEALING PLAN
N.T.S.

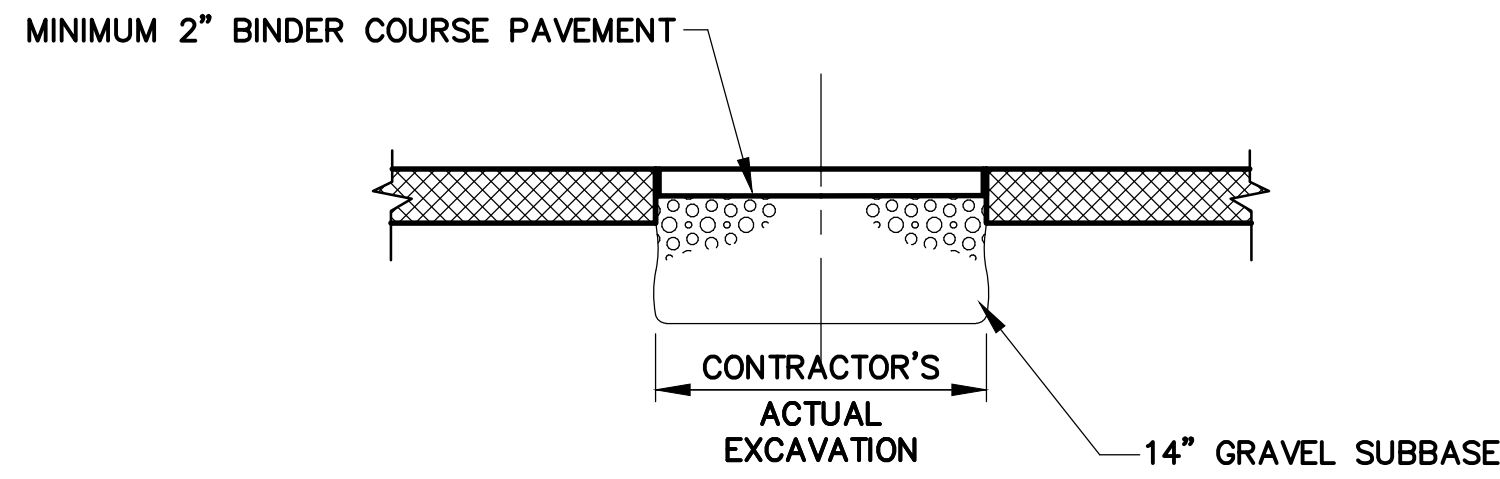
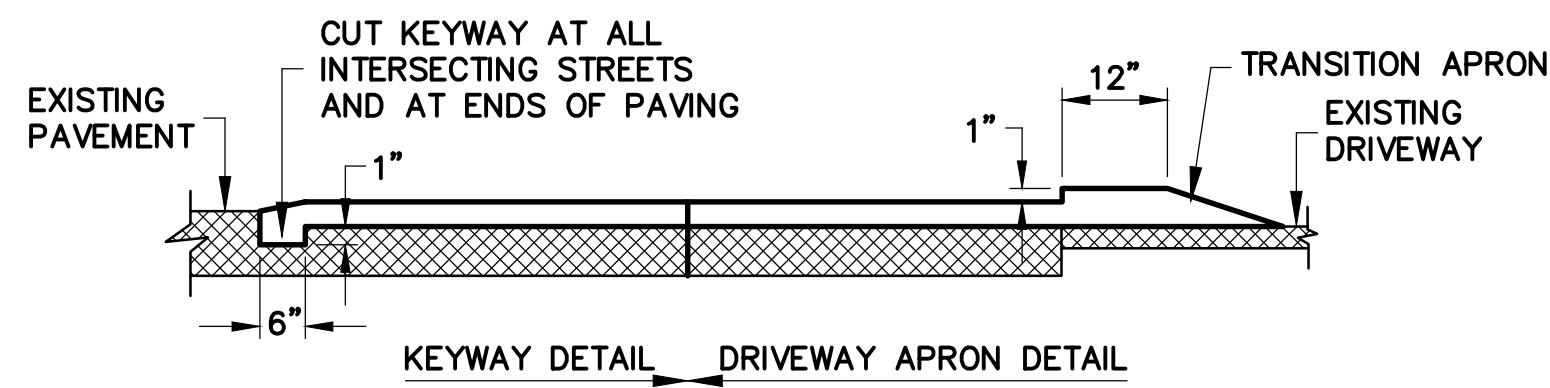


UTILITY CROSSING DETAIL
N.T.S.

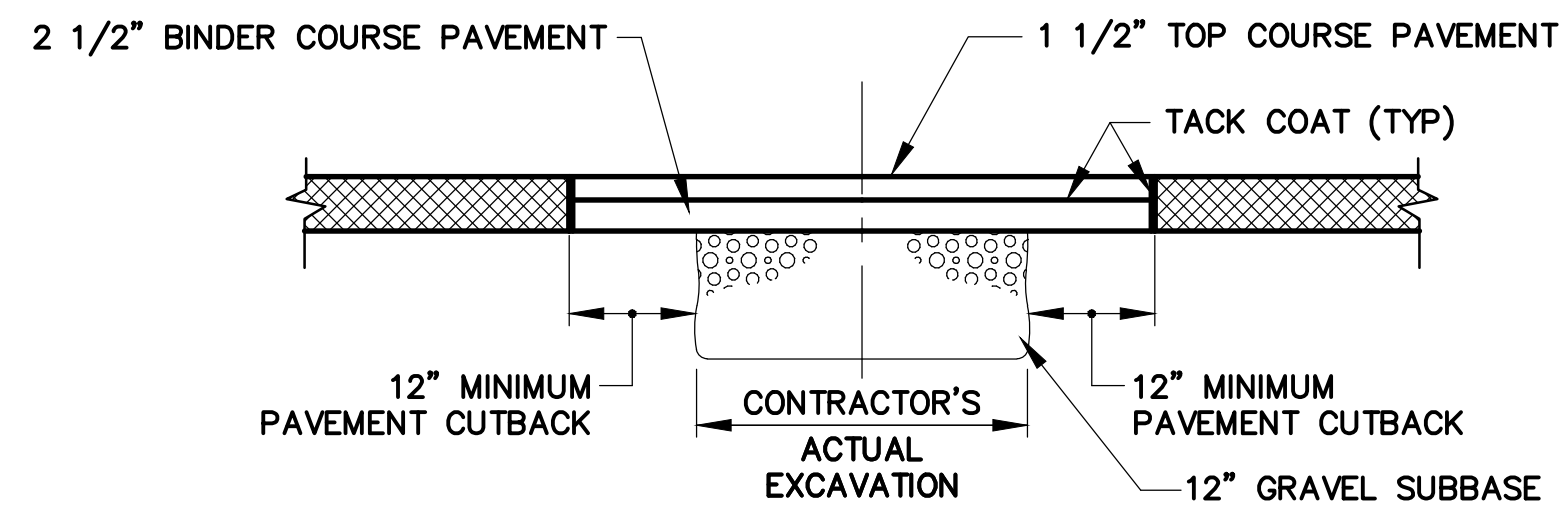


MANHOLE SEAL DETAILS
N.T.S.

Revisions:		
No.	Date	Description



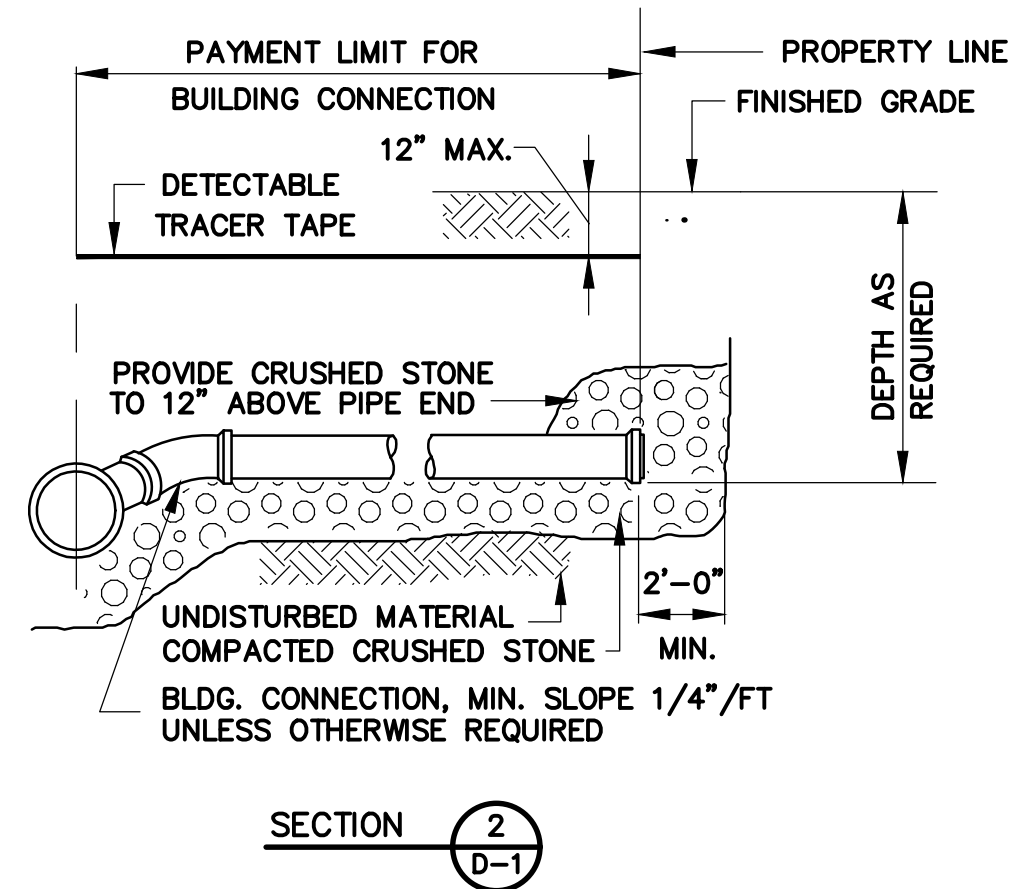
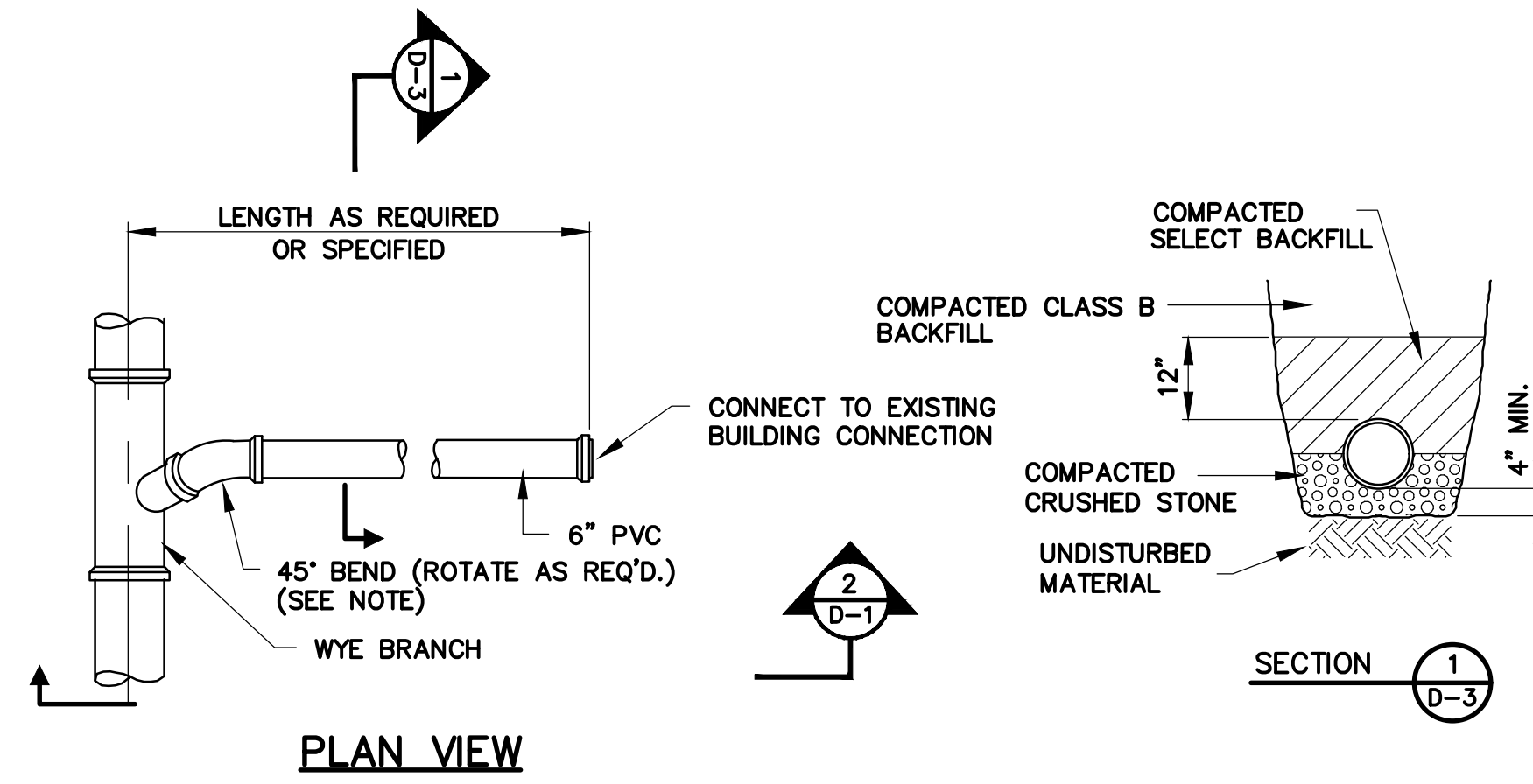
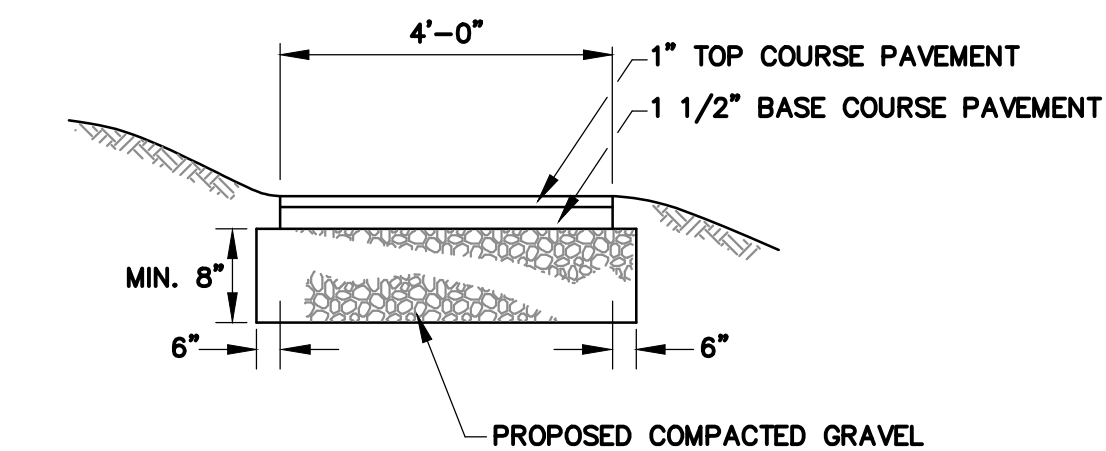
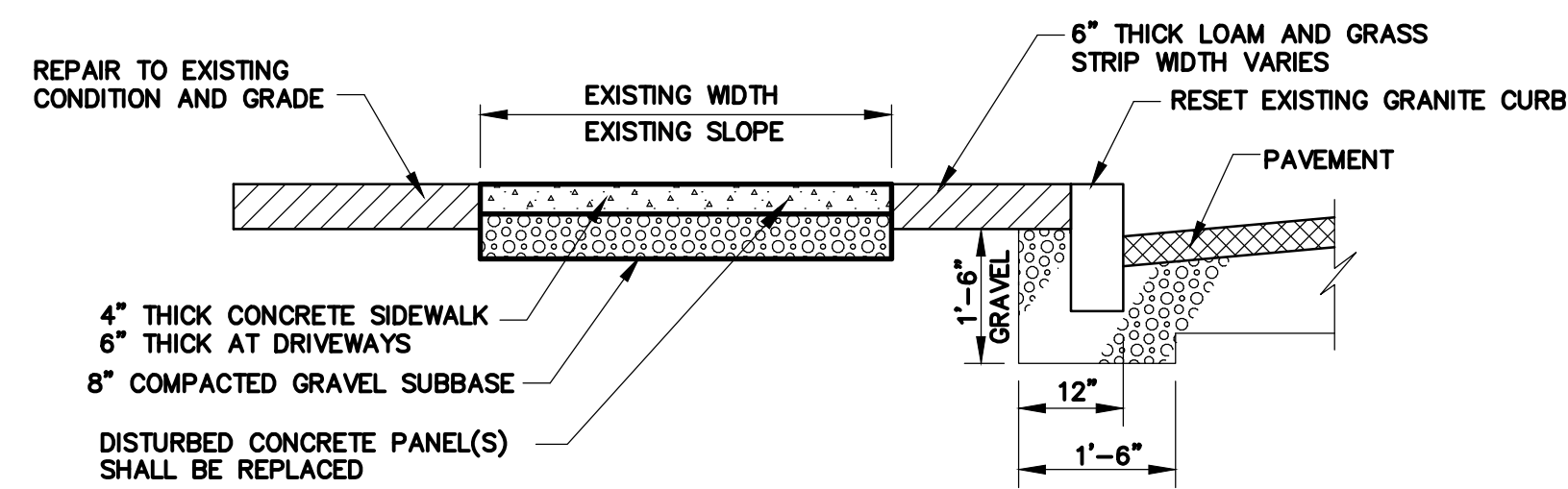
TEMPORARY PAVEMENT



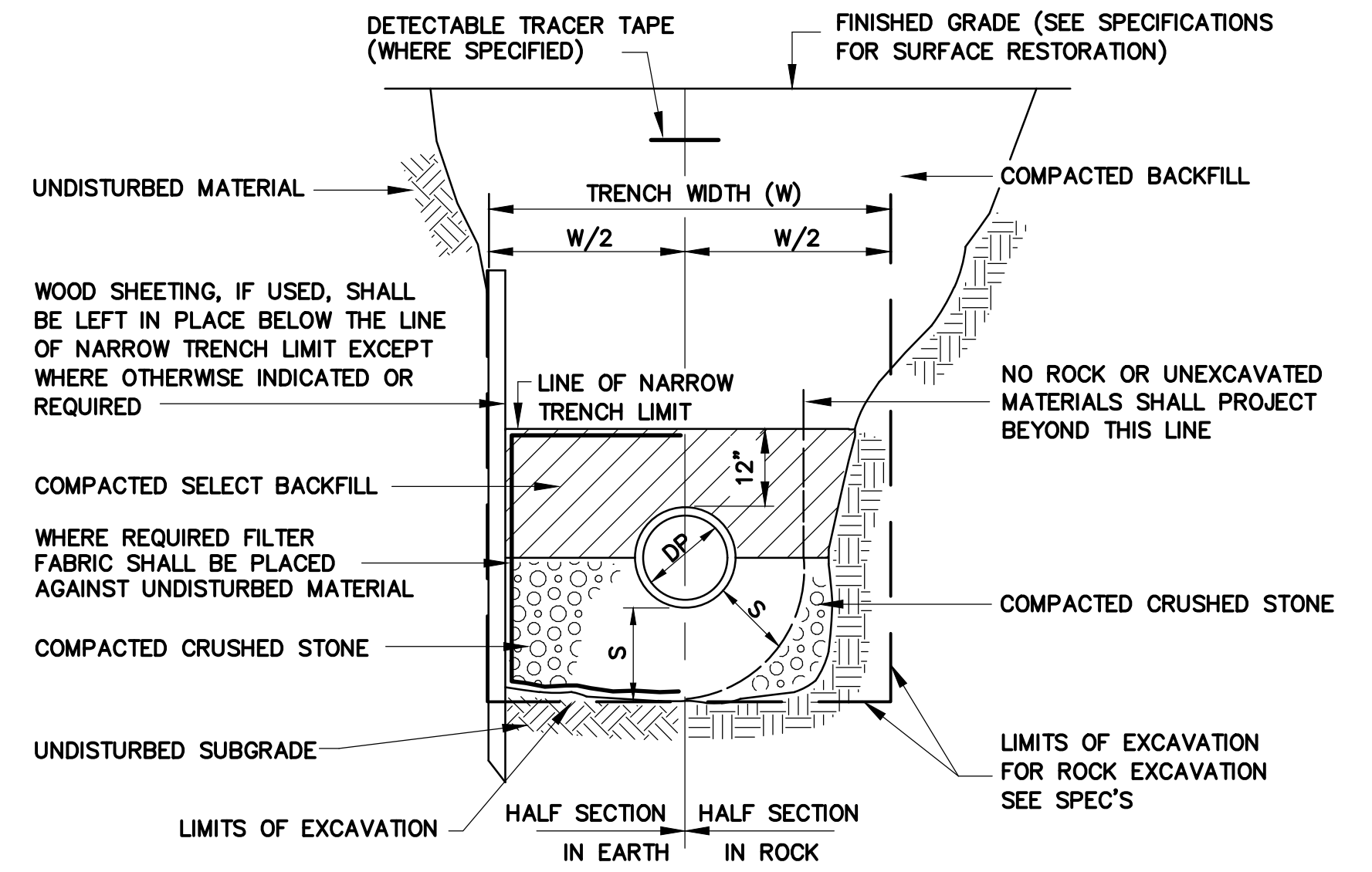
PERMANENT PAVEMENT

PAVEMENT REPLACEMENT DETAILS

N.T.S.

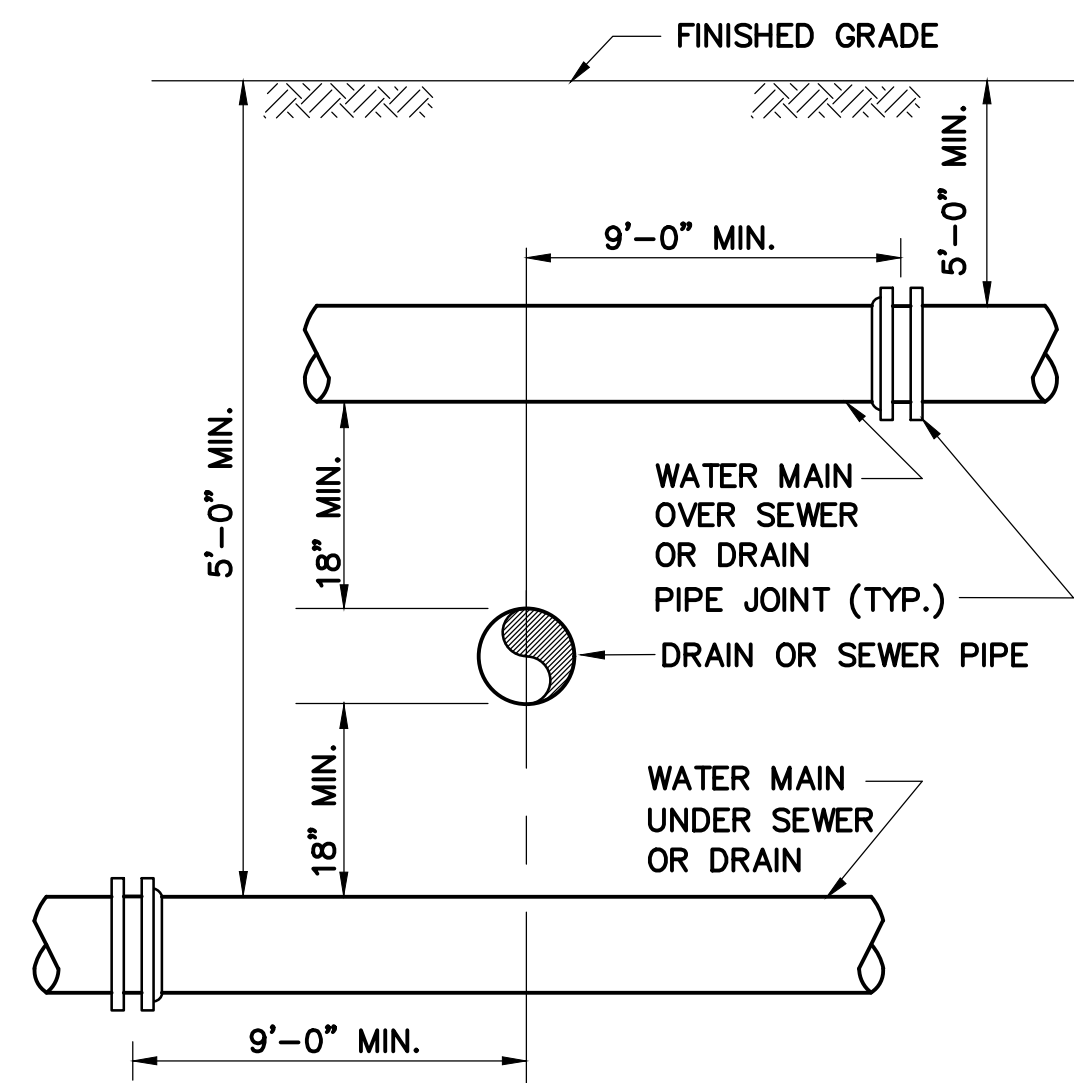
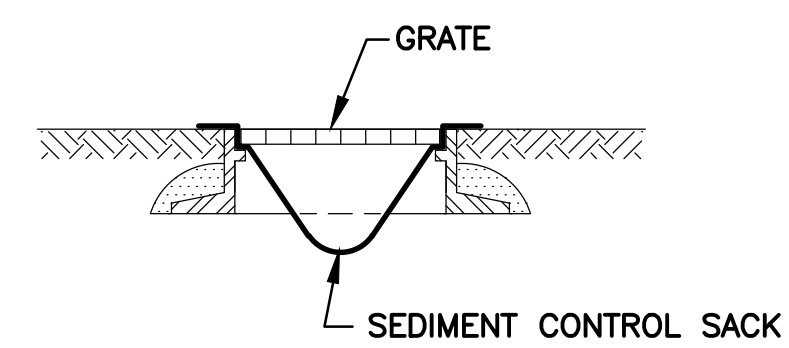
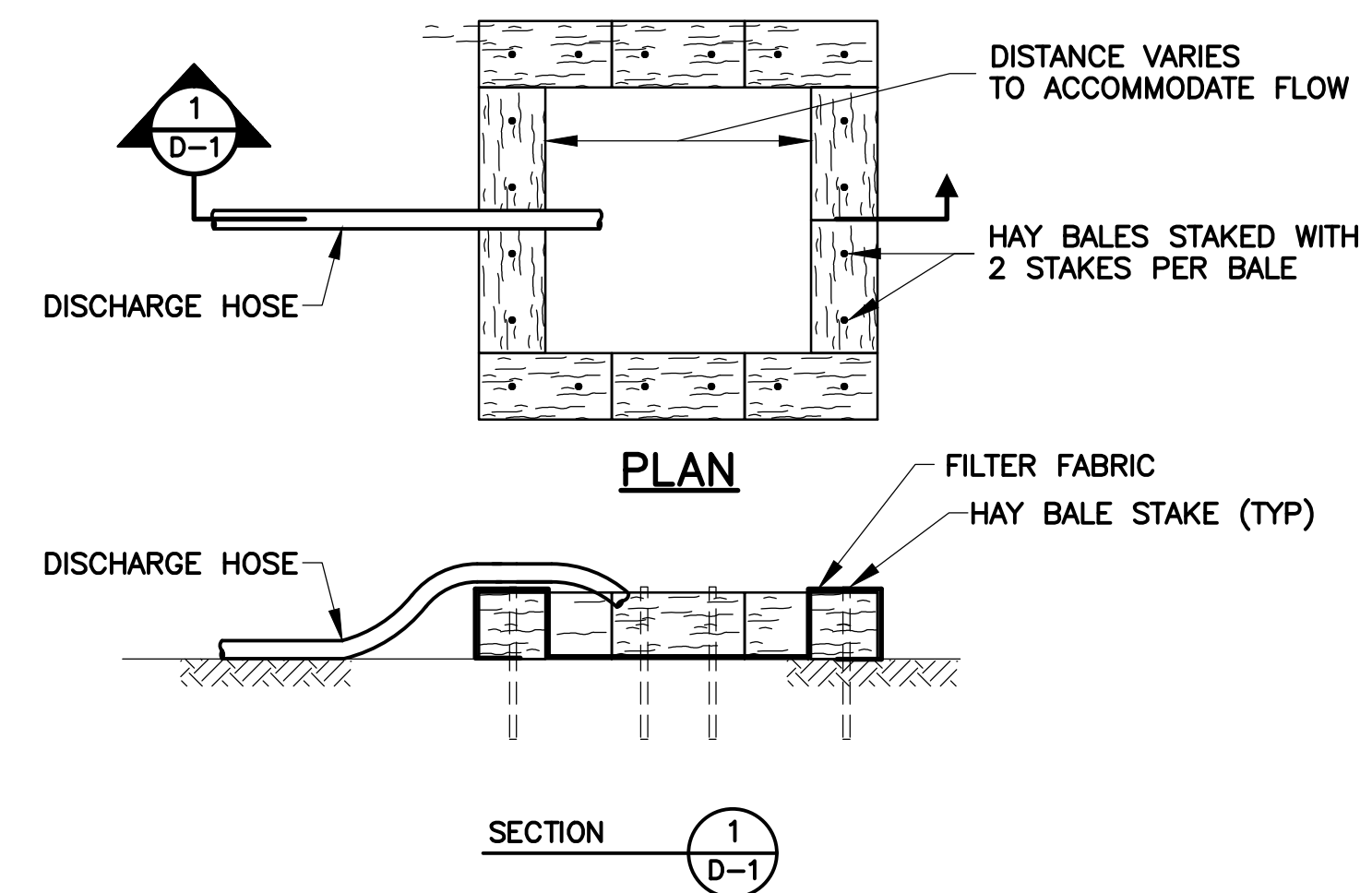


NOTE:
 BE SURE THAT END OF BELL ON WYE BRANCH DOES NOT RUB ON UNDERSIDE OF 45° BEND.



DEPTH TO INVERT	DIAMETER OF PIPE (DP)	MAXIMUM TRENCH WIDTH BELOW LINE OF NARROW TRENCH LIMIT (SHEETED OR UNSHEETED) (W)	MINIMUM CLEARANCE (S)
0-12'	TO 18"	5'	6"
0-12'	21"-24"	5'	7'-1/2"
OVER 12'	TO 18"	7'	6"
OVER 12'	21"-24"	7'	7'-1/2"

TABLE A



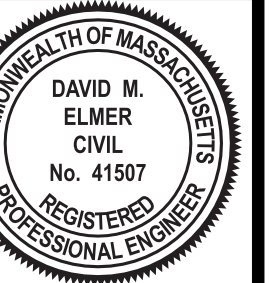
SEWER OR DRAIN CROSSING DETAIL
 N.T.S.

Consultants:

Revisions:

No.	Date	Description

Seal:



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 W&S File No.: 249-1

Drawing Title:

DETAILS II

Sheet Number:

D-2